

CALPOST Version 6.221 Level 080724

Internal Coordinate Transformations by --- COORDLIB Version: 1.99 Level: 070921

Run Title:

Cleco, Brame Energy Center
CANEY CREEK WILDERNESS AREA CALPOST 2002
VISIBILITY METHOD 8

INPUT GROUP: 1 -- General run control parameters

Option to run all periods found
in the met. file(s) (METRUN) Default: 0 ! METRUN = 1 !

METRUN = 0 - Run period explicitly defined below
METRUN = 1 - Run all periods in CALPUFF data file(s)

Starting date: Year (ISYR) -- No default !ISYR = 2002 !
Month (ISMO) -- No default !ISMO = 1 !
Day (ISDY) -- No default !ISDY = 1 !
Starting time: Hour (ISHR) -- No default !ISHR = 0 !
Minute (ISMIN) -- No default !ISMIN = 0 !
Second (ISSEC) -- No default !ISSEC = 0 !

Ending date: Year (IEYR) -- No default !IEYR = 2002 !
Month (IEMO) -- No default !IEMO = 12 !
Day (IEDY) -- No default !IEDY = 31 !
Ending time: Hour (IEHR) -- No default !IEHR = 0 !
Minute (IEMIN) -- No default !IEMIN = 0 !
Second (IESEC) -- No default !IESEC = 0 !

(These are only used if METRUN = 0)

All times are in the base time zone of the CALPUFF simulation.
CALPUFF Dataset Version 2.1 contains the zone, but earlier versions
do not, and the zone must be specified here. The zone is the
number of hours that must be ADDED to the time to obtain UTC (or GMT).
Identify the Base Time Zone for the CALPUFF simulation
(BTZONE) -- No default !BTZONE = 0.0 !

Process every period of data?
(NREP) -- Default: 1 !NREP = 1 !
(1 = every period processed,
2 = every 2nd period processed,

5 = every 5th period processed, etc.)

Species & Concentration/Deposition Information

Species to process (ASPEC) -- No default ! ASPEC = VISIB !
(ASPEC = VISIB for visibility processing)

Layer/deposition code (ILAYER) -- Default: 1 ! ILAYER = 1 !
'1' for CALPUFF concentrations,
'-1' for dry deposition fluxes,
'-2' for wet deposition fluxes,
'-3' for wet+dry deposition fluxes.

Scaling factors of the form: -- Defaults: ! A = 0.0 !
 $X(\text{new}) = X(\text{old}) * A + B$ A = 0.0 ! B = 0.0 !
(NOT applied if A = B = 0.0) B = 0.0

Add Hourly Background Concentrations/Fluxes?
(LBACK) -- Default: F ! LBACK = F !

Source of NO2 when ASPEC=NO2 (above) or LVNO2=T (Group 2) may be from CALPUFF NO2 concentrations OR from a fraction of CALPUFF NOx concentrations. Specify the fraction of NOx that is treated as NO2 either as a constant or as a table of fractions that depend on the magnitude of the NOx concentration:

(NO2CALC) -- Default: 1 ! NO2CALC = 1 !
0 = Use NO2 directly (NO2 must be in file)
1 = Specify a single NO2/NOx ratio (RNO2NOX)
2 = Specify a table NO2/NOx ratios (TNO2NOX)
(NOTE: Scaling Factors must NOT be used with NO2CALC=2)

Single NO2/NOx ratio (0.0 to 1.0) for treating some or all NOx as NO2, where [NO2] = [NOX] * RNO2NOX
(used only if NO2CALC = 1)
(RNO2NOX) -- Default: 1.0 ! RNO2NOX = 1.0 !

Table of NO2/NOx ratios that vary with NOx concentration.
Provide 14 NOx concentrations (ug/m**3) and the corresponding NO2/NOx ratio, with NOx increasing in magnitude. The ratio used for a particular NOx concentration is interpolated from the values provided in the table. The ratio for the smallest tabulated NOx concentration (the first) is used for all NOx concentrations less than the smallest tabulated value, and the ratio for the largest tabulated NOx concentration (the last) is used for all NOx concentrations greater than the largest tabulated value.
(used only if NO2CALC = 2)

NOx concentration(ug / m3)
(CNOX) -- No default
! CNOX = 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0,
8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0 !

NO2/NOx ratio for each NOx concentration:
(TNO2NOX) -- No default

```
! TNO2NOX = 1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0,  
    1.0, 1.0, 1.0, 1.0, 1.0, 1.0 !
```

Source information

Option to process source contributions:

- 0 = Process only total reported contributions
 - 1 = Sum all individual source contributions and process
 - 2 = Run in TRACEBACK mode to identify source contributions at a SINGLE receptor
- (MSOURCE) -- Default: 0 ! MSOURCE = 0 !

Plume Model Output Processing Options

Output from models other than CALPUFF and CALGRID can be written in the CONC.DAT format and processed by CALPOST. Plume models such as AERMOD typically do not treat CALM hours, and do not include such hours in multiple-hour averages, with specific rules about how many calm hours can be removed from an average. This treatment is known as CALM PROCESSING. Calm periods are identified from wind speeds in the meteorological data file for the application, which must be identified in Input Group 0 as the single-point meteorological data file MET1DAT.

- 0 = Option is not used for CALPUFF/CALGRID output files
 - 1 = Apply CALM processing procedures to multiple-hour averages
- (MCALMPRO) -- Default: 0 ! MCALMPRO = 0 !

Format of Single-point Met File

- 1 = AERMOD/AERMET SURFACE file
- (MET1FMT) -- Default: 1 ! MET1FMT = 1 !

Receptor information

Gridded receptors processed? (LG) -- Default: F ! LG = F !

Discrete receptors processed? (LD) -- Default: F ! LD = T !

CTSG Complex terrain receptors processed?

(LCT) -- Default: F ! LCT = F !

--Report results by DISCRETE receptor RING?

(only used when LD = T) (LDRING) -- Default: F ! LDRING = F !

--Select range of DISCRETE receptors (only used when LD = T):

Select ALL DISCRETE receptors by setting NDRECP flag to -1;

OR

Select SPECIFIC DISCRETE receptors by entering a flag (0,1) for each

0 = discrete receptor not processed

1 = discrete receptor processed

using repeated value notation to select blocks of receptors:

23*1, 15*0, 12*1

Flag for all receptors after the last one assigned is set to 0

(NDRECP) -- Default: -1
! NDRECP = 80*1, 40*0!

--Select range of GRIDDED receptors (only used when LG = T):

X index of LL corner (IBGRID) -- Default: -1 ! IBGRID = -1 !
(-1 OR 1 <= IBGRID <= NX)

Y index of LL corner (JBGRID) -- Default: -1 ! JBGRID = -1 !
(-1 OR 1 <= JBGRID <= NY)

X index of UR corner (IEGRID) -- Default: -1 ! IEGRID = -1 !
(-1 OR 1 <= IEGRID <= NX)

Y index of UR corner (JEGRID) -- Default: -1 ! JEGRID = -1 !
(-1 OR 1 <= JEGRID <= NY)

Note: Entire grid is processed if IBGRID=JBGRID=IEGRID=JEGRID=-1

--Specific gridded receptors can also be excluded from CALPOST processing by filling a processing grid array with 0s and 1s. If the processing flag for receptor index (i,j) is 1 (ON), that receptor will be processed if it lies within the range delineated by IBGRID, JBGRID,IEGRID,JEGRID and if LG=T. If it is 0 (OFF), it will not be processed in the run. By default, all array values are set to 1 (ON).

Number of gridded receptor rows provided in Subgroup (1a) to identify specific gridded receptors to process
(NGONOFF) -- Default: 0 ! NGONOFF = 0 !

!END!

Subgroup (1a) -- Specific gridded receptors included/excluded

Specific gridded receptors are excluded from CALPOST processing by filling a processing grid array with 0s and 1s. A total of NGONOFF lines are read here. Each line corresponds to one 'row' in the sampling grid, starting with the NORTHERNMOST row that contains receptors that you wish to exclude, and finishing with row 1 to the SOUTH (no intervening rows may be skipped). Within a row, each receptor position is assigned either a 0 or 1, starting with the westernmost receptor.

0 = gridded receptor not processed
1 = gridded receptor processed

Repeated value notation may be used to select blocks of receptors:
23*1, 15*0, 12*1

Because all values are initially set to 1, any receptors north of the first row entered, or east of the last value provided in a row, remain ON.

(NGXRECP) -- Default: 1

INPUT GROUP: 2 -- Visibility Parameters (ASPEC = VISIB)

Test visibility options specified to see
if they conform to FLAG 2008 configuration?

(MVISCHECK) -- Default: 1 ! MVISCHECK = 1 !

0 = NO checks are made

1 = Technical options must conform to FLAG 2008 visibility guidance

ASPEC = VISIB

LVNO2 = T

NO2CALC = 1

RNO2NOX = 1.0

MVISBK = 8

M8_MODE = 5

Some of the data entered for use with the FLAG 2008 configuration
are specific to the Class I area being evaluated. These values can
be checked within the CALPOST user interface when the name of the
Class I area is provided.

Name of Class I Area (used for QA purposes only)

(AREANAME) -- Default: User ! AREANAME = CACR !

Particle growth curve f(RH) for hygroscopic species

(MFRH) -- Default: 4 ! MFRH = 4 !

1 = IWAQM (1998) f(RH) curve (originally used with MVISBK=1)

2 = FLAG (2000) f(RH) tabulation

3 = EPA (2003) f(RH) tabulation

4 = IMPROVE (2006) f(RH) tabulations for sea salt, and for small and
large SULFATE and NITRATE particles;

Used in Visibility Method 8 (MVISBK = 8 with M8_MODE = 1, 2, or 3)

Maximum relative humidity (%) used in particle growth curve

(RHMAX) -- Default: 98 ! RHMAX = 95 !

Modeled species to be included in computing the light extinction

Include SULFATE? (LVS04) -- Default: T ! LVS04 = T !

Include NITRATE? (LVNO3) -- Default: T ! LVNO3 = T !

Include ORGANIC CARBON? (LVOC) -- Default: T ! LVOC = T !

Include COARSE PARTICLES? (LVMPC) -- Default: T ! LVMPC = T !

Include FINE PARTICLES? (LVMF) -- Default: T ! LVMF = T !

Include ELEMENTAL CARBON? (LVEC) -- Default: T ! LVEC = T !

Include NO₂ absorption? (LVNO2) -- Default: F ! LVNO2 = T !

With Visibility Method 8 -- Default: T

FLAG (2008)

And, when ranking for TOP-N, TOP-50, and Exceedance tables,

Include BACKGROUND? (LVBK) -- Default: T ! LVBK = T !

Species name used for particulates in MODEL.DAT file
COARSE (SPECPMC) -- Default: PMC ! SPECPMC = PMC !
FINE (SPECPMF) -- Default: PMF ! SPECPMF = PMF !

Extinction Efficiency (1/Mm per ug/m**3)

MODELED particulate species:

PM COARSE (EEPNC) -- Default: 0.6 ! EEPNC = 0.6 !
PM FINE (EEPNF) -- Default: 1.0 ! EEPNF = 1 !

BACKGROUND particulate species:

PM COARSE (EPMCBK) -- Default: 0.6 ! EPMCBK = 0.6 !

Other species:

AMMONIUM SULFATE (EESO4) -- Default: 3.0 ! EESO4 = 3 !
AMMONIUM NITRATE (EENO3) -- Default: 3.0 ! EENO3 = 3 !
ORGANIC CARBON (EEOC) -- Default: 4.0 ! EEOC = 4 !
SOIL (EESOIL) -- Default: 1.0 ! EESOIL = 1 !
ELEMENTAL CARBON (EEECC) -- Default: 10. ! EEECC = 10 !
NO2 GAS (EENO2) -- Default: .1755 ! EENO2 = 0.1755 !

Visibility Method 8:

AMMONIUM SULFATE (EESO4S) Set Internally (small)
AMMONIUM SULFATE (EESO4L) Set Internally (large)
AMMONIUM NITRATE (EENO3S) Set Internally (small)
AMMONIUM NITRATE (EENO3L) Set Internally (large)
ORGANIC CARBON (EEOCS) Set Internally (small)
ORGANIC CARBON (EEOCL) Set Internally (large)
SEA SALT (EESALT) Set Internally

Background Extinction Computation

Method used for the 24h-average of percent change of light extinction:
Hourly ratio of source light extinction / background light extinction
is averaged? (LAVER) -- Default: F ! LAVER = F !

Method used for background light extinction

(MVISBK) -- Default: 8 ! MVISBK = 8 !
FLAG (2008)

- 1 = Supply single light extinction and hygroscopic fraction
 - Hourly F(RH) adjustment applied to hygroscopic background and modeled sulfate and nitrate
- 2 = Background extinction from speciated PM concentrations (A)
 - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
 - F(RH) factor is capped at F(RHMAX)
- 3 = Background extinction from speciated PM concentrations (B)
 - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
 - Receptor-hour excluded if RH>RHMAX
 - Receptor-day excluded if fewer than 6 valid receptor-hours
- 4 = Read hourly transmissometer background extinction measurements
 - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
 - Hour excluded if measurement invalid (missing, interference, or large RH)
 - Receptor-hour excluded if RH>RHMAX

- Receptor-day excluded if fewer than 6 valid receptor-hours
- 5 = Read hourly nephelometer background extinction measurements
- Rayleigh extinction value (BEXTRAY) added to measurement
 - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
 - Hour excluded if measurement invalid (missing, interference, or large RH)
 - Receptor-hour excluded if RH>RHMAX
 - Receptor-day excluded if fewer than 6 valid receptor-hours
- 6 = Background extinction from speciated PM concentrations
- FLAG (2000) monthly RH adjustment factor applied to observed and modeled sulfate and nitrate
- 7 = Use observed weather or prognostic weather information for background extinction during weather events; otherwise, use Method 2
- Hourly F(RH) adjustment applied to modeled sulfate and nitrate
 - F(RH) factor is capped at F(RHMAX)
 - During observed weather events, compute Bext from visual range if using an observed weather data file, or
 - During prognostic weather events, use Bext from the prognostic weather file
 - Use Method 2 for hours without a weather event
- 8 = Background extinction from speciated PM concentrations using the IMPROVE (2006) variable extinction efficiency formulation (MFRH must be set to 4)
- Split between small and large particle concentrations of SULFATES, NITRATES, and ORGANICS is a function of concentration and different extinction efficiencies are used for each
 - Source-induced change in visibility includes the increase in extinction of the background aerosol due to the change in the extinction efficiency that now depends on total concentration.
 - Fsmall(RH) and Flarge(RH) adjustments for small and large particles are applied to observed and modeled sulfate and nitrate concentrations
 - Fsalt(RH) adjustment for sea salt is applied to background sea salt concentrations
 - F(RH) factors are capped at F(RHMAX)
 - RH for Fsmall(RH), Flarge(RH), and Fsalt(RH) may be obtained from hourly data as in Method 2 or from the FLAG monthly RH adjustment factor used for Method 6 where EPA F(RH) tabulation is used to infer RH, or monthly Fsmall, Flarge, and Fsalt RH adjustment factors can be directly entered.
 - Furthermore, a monthly RH factor may be applied to either hourly concentrations or daily concentrations to obtain the 24-hour extinction.

These choices are made using the M8_MODE selection.

Additional inputs used for MVISBK = 1:

Background light extinction (1/Mm)
 (BEXTBK) -- No default ! BEXTBK = 12 !
 Percentage of particles affected by relative humidity
 (RHFRC) -- No default ! RHFRC = 10 !

Additional inputs used for MVISBK = 6,8:

Extinction coefficients for hygroscopic species (modeled and background) are computed using a monthly RH adjustment factor

in place of an hourly RH factor (VISB.DAT file is NOT needed).
Enter the 12 monthly factors here (RHFAC). Month 1 is January.

(RHFAC) -- No default ! RHFAC = 3.3, 3.0, 2.7, 2.8,
3.2, 3.2, 3.0, 3.0,
3.2, 3.2, 3.1, 3.3 !

Additional inputs used for MVISBK = 7:

The weather data file (DATSAV abbreviated space-delimited) that
is identified as VSRN.DAT may contain data for more than one
station. Identify the stations that are needed in the order in
which they will be used to obtain valid weather and visual range.
The first station that contains valid data for an hour will be
used. Enter up to MXWSTA (set in PARAMS file) integer station IDs
of up to 6 digits each as variable IDWSTA, and enter the corresponding
time zone for each, as variable TZONE (= UTC-LST).

A prognostic weather data file with Bext for weather events may be used
in place of the observed weather file. Identify this as the VSRN.DAT
file and use a station ID of IDWSTA = 999999, and TZONE = 0.

NOTE: TZONE identifies the time zone used in the dataset. The
DATSAV abbreviated space-delimited data usually are prepared
with UTC time rather than local time, so TZONE is typically
set to zero.

(IDWSTA) -- No default * IDWSTA = 000000 *
(TZONE) -- No default * TZONE = 0. *

Additional inputs used for MVISBK = 2,3,6,7,8:

Background extinction coefficients are computed from monthly
CONCENTRATIONS of ammonium sulfate (BKSO4), ammonium nitrate (BKNO3),
coarse particulates (BKPMC), organic carbon (BKOC), soil (BKSOIL), and
elemental carbon (BKEC). Month 1 is January.
(ug/m**3)

(BKSO4) -- No default ! BKSO4 = 0.23, 0.23, 0.23, 0.23,
0.23, 0.23, 0.23,
0.23, 0.23, 0.23 !
(BKNO3) -- No default ! BKNO3 = 0.10, 0.10, 0.10, 0.10,
0.10, 0.10, 0.10,
0.10, 0.10, 0.10 !
(BKPMC) -- No default ! BKPMC = 3.00, 3.00, 3.00, 3.00,
3.00, 3.00, 3.00,
3.00, 3.00, 3.00 !
(BKOC) -- No default ! BKOC = 1.80, 1.80, 1.80, 1.80,
1.80, 1.80, 1.80,
1.80, 1.80, 1.80 !
(BKSOIL) -- No default ! BKSOIL= 0.50, 0.50, 0.50, 0.50,
0.50, 0.50, 0.50,
0.50, 0.50, 0.50 !
(BKEC) -- No default ! BKEC = 0.02, 0.02, 0.02, 0.02,
0.02, 0.02, 0.02,
0.02, 0.02, 0.02 !

Additional inputs used for MVISBK = 8:

Extinction coefficients for hygroscopic species (modeled and background) may be computed using hourly RH values and hourly modeled concentrations, or using monthly RH values inferred from the RHFAC adjustment factors and either hourly or daily modeled concentrations, or using monthly RHFSML, RHFLRG, and RHFSEA adjustment factors and either hourly or daily modeled concentrations.

(M8_MODE) -- Default: 5 ! M8_MODE= 5 !
FLAG (2008)

- 1 = Use hourly RH values from VISB.DAT file with hourly modeled and monthly background concentrations.
- 2 = Use monthly RH from monthly RHFAC and EPA (2003) f(RH) tabulation with hourly modeled and monthly background concentrations.
(VISB.DAT file is NOT needed).
- 3 = Use monthly RH from monthly RHFAC with EPA (2003) f(RH) tabulation with daily modeled and monthly background concentrations.
(VISB.DAT file is NOT needed).
- 4 = Use monthly RHFSML, RHFLRG, and RHFSEA with hourly modeled and monthly background concentrations.
(VISB.DAT file is NOT needed).
- 5 = Use monthly RHFSML, RHFLRG, and RHFSEA with daily modeled and monthly background concentrations.
(VISB.DAT file is NOT needed).

Background extinction coefficients are computed from monthly CONCENTRATIONS of sea salt (BKSALT). Month 1 is January.
(ug/m**3)

(BKSALT) -- No default ! BKSALT= 0.03, 0.03, 0.03, 0.03,
0.03, 0.03, 0.03, 0.03,
0.03, 0.03, 0.03, 0.03 !

Extinction coefficients for hygroscopic species (modeled and background) can be computed using monthly RH adjustment factors in place of an hourly RH factor (VISB.DAT file is NOT needed).
Enter the 12 monthly factors here (RHFSML,RHFLRG,RHFSEA).
Month 1 is January. (Used if M8_MODE = 4 or 5)

Small ammonium sulfate and ammonium nitrate particle sizes
(RHFSML) -- No default ! RHFSML= 3.85, 3.44, 3.14, 3.24,
3.66, 3.71, 3.49, 3.51,
3.73, 3.72, 3.68, 3.88 !

Large ammonium sulfate and ammonium nitrate particle sizes
(RHFLRG) -- No default ! RHFLRG= 2.77, 2.53, 2.37, 2.43,
2.68, 2.71, 2.59, 2.60,
2.71, 2.69, 2.67, 2.79 !

Sea salt particles
(RHFSEA) -- No default ! RHFSEA= 3.90, 3.52, 3.31, 3.41,
3.83, 3.88, 3.69, 3.68,

3.82, 3.76, 3.77, 3.93 !

Additional inputs used for MVISBK = 2,3,5,6,7,8:

Extinction due to Rayleigh scattering is added (1/Mm)
(BEXTRAY) -- Default: 10.0 ! BEXTRAY = 11 !

!END!

INPUT GROUP: 3 -- Output options

Documentation

Documentation records contained in the header of the
CALPUFF output file may be written to the list file.

Print documentation image?
(LDOC) -- Default: F ! LDOC = F !

Output Units

Units for All Output (IPRTU) -- Default: 1 ! IPRTU = 3 !
for for
Concentration Deposition
1 = g/m**3 g/m**2/s
2 = mg/m**3 mg/m**2/s
3 = ug/m**3 ug/m**2/s
4 = ng/m**3 ng/m**2/s
5 = Odour Units

Visibility: extinction expressed in 1/Mega-meters (IPRTU is ignored)

Averaging time(s) reported

1-pd averages (L1PD) -- Default: T ! L1PD = F !
(pd = averaging period of model output)

1-hr averages (L1HR) -- Default: T ! L1HR = F !

3-hr averages (L3HR) -- Default: T ! L3HR = F !

24-hr averages (L24HR) -- Default: T ! L24HR = T !

Run-length averages (LRUNL) -- Default: T ! LRUNL = F !

User-specified averaging time in hours, minutes, seconds
- results for this averaging time are reported if it is not zero

(NAVGH) -- Default: 0 ! NAVGH = 0 !
(NAVGM) -- Default: 0 ! NAVGM = 0 !
(NAVGS) -- Default: 0 ! NAVGS = 0 !

Types of tabulations reported

1) Visibility: daily visibility tabulations are always reported for the selected receptors when ASPEC = VISIB.
In addition, any of the other tabulations listed below may be chosen to characterize the light extinction coefficients.
[List file or Plot/Analysis File]

2) Top 50 table for each averaging time selected
[List file only]
(LT50) -- Default: T ! LT50 = F !

3) Top 'N' table for each averaging time selected
[List file or Plot file]
(LTOPN) -- Default: F ! LTOPN = F !

-- Number of 'Top-N' values at each receptor selected (NTOP must be <= 4)
(NTOP) -- Default: 4 ! NTOP = 4 !

-- Specific ranks of 'Top-N' values reported (NTOP values must be entered)
(ITOP(4) array) -- Default: ! ITOP = 1,2,3,4 !
1,2,3,4

4) Threshold exceedance counts for each receptor and each averaging time selected
[List file or Plot file]

(LEXCD) -- Default: F ! LEXCD = F !

-- Identify the threshold for each averaging time by assigning a non-negative value (output units).

-- Default: -1.0
Threshold for 1-hr averages (THRESH1) ! THRESH1 = -1.0 !
Threshold for 3-hr averages (THRESH3) ! THRESH3 = -1.0 !
Threshold for 24-hr averages (THRESH24) ! THRESH24 = -1.0 !
Threshold for NAVG-hr averages (THRESHN) ! THRESHN = -1.0 !

-- Counts for the shortest averaging period selected can be tallied daily, and receptors that experience more than NCOUNT counts over any NDAY period will be reported. This type of exceedance violation output is triggered only if NDAY > 0.

Accumulation period(Days)
(NDAY) -- Default: 0 ! NDAY = 0 !
Number of exceedances allowed
(NCOUNT) -- Default: 1 ! NCOUNT = 1 !

5) Selected day table(s)

Echo Option -- Many records are written each averaging period selected and output is grouped by day
[List file or Plot file]

(LECHO) -- Default: F ! LECHO = F !

Timeseries Option -- Averages at all selected receptors for each selected averaging period are written to timeseries files. Each file contains one averaging period, and all receptors are written to a single record each averaging time.

[TSERIES_ASPEC_ttHR_CONC_TSUNAM.DAT files]
(LTIME) -- Default: F ! LTIME = F !

Peak Value Option -- Averages at all selected receptors for each selected averaging period are screened and the peak value each period is written to timeseries files.

Each file contains one averaging period.

[PEAKVAL_ASPEC_ttHR_CONC_TSUNAM.DAT files]
(LPEAK) -- Default: F ! LPEAK = F !

-- Days selected for output

(IECHO(366)) -- Default: 366*0
! IECHO = 366*0 !
(366 values must be entered)

Plot output options

Plot files can be created for the Top-N, Exceedance, and Echo tables selected above. Two formats for these files are available, DATA and GRID. In the DATA format, results at all receptors are listed along with the receptor location [x,y,val1,val2,...].

In the GRID format, results at only gridded receptors are written, using a compact representation. The gridded values are written in rows (x varies), starting with the most southern row of the grid.

The GRID format is given the .GRD extension, and includes headers compatible with the SURFER(R) plotting software.

A plotting and analysis file can also be created for the daily peak visibility summary output, in DATA format only.

Generate Plot file output in addition to writing tables to List file?

(LPLT) -- Default: F ! LPLT = F !

Use GRID format rather than DATA format, when available?

(LGRD) -- Default: F ! LGRD = F !

Auxiliary Output Files (for subsequent analyses)

Visibility

A separate output file may be requested that contains the change in visibility at each selected receptor when ASPEC = VISIB. This file can be processed to construct visibility measures that are not available in CALPOST.

Output file with the visibility change at each receptor?
(MDVIS) -- Default: 0 ! MDVIS = 1 !

- 0 = Do Not create file
- 1 = Create file of DAILY (24 hour) Delta-Deciview
- 2 = Create file of DAILY (24 hour) Extinction Change (%)
- 3 = Create file of HOURLY Delta-Deciview
- 4 = Create file of HOURLY Extinction Change (%)

Additional Debug Output

Output selected information to List file
for debugging?
(LDEBUG) -- Default: F ! LDEBUG = F !

Output hourly extinction information to REPORT.HRV?
(Visibility Method 7)
(LVEXTHR) -- Default: F ! LVEXTHR = F !

!END!

NOTICE: Starting year in control file sets the
expected century for the simulation. All
YY years are converted to YYYY years in
the range: 1952 2051

```
*****  
*****  
CALPOST Version 6.221      Level 080724  
*****  
*****
```

CALPOST Control File Input Summary

Replace run data with data in Puff file 1=Y: 1
Run starting date -- year: 2002
month: 1
day: 1
Julian day: 0
Time at start of run - hour(0-23): 0
- minute: 0
- second: 0

Run ending date -- year: 2002
month: 12
day: 31
Julian day: 0
Time at end of run - hour(0-23): 0
- minute: 0
- second: 0

Base time zone (Group 1): 0.0

Every period of data processed -- NREP = 1

Species & Concentration/Deposition Information

Species: VISIB
Layer of processed data: 1
(>0=conc, -1=dry flux, -2=wet flux, -3=wet & dry flux)
Multiplicative scaling factor: 0.0000E+00
Additive scaling factor: 0.0000E+00
Hourly background values used?: F

SAMPLER option

Processing method: 0
0= SAMPLER option not used
1= Report total modeled impact (list file)
2= TRACEBACK mode (DAT files)
3= TRACEBACK mode with sampling factor (DAT files)

Source information

Source contribution processing: 0
0= No source contributions
1= Contributions are summed
2= TRACEBACK mode for 1 receptor
3= Reported TOTAL is processed

Receptor information

Gridded receptors processed?: F
Discrete receptors processed?: T
CTSG Complex terrain receptors processed?: F

Discrete Receptors Processed

Visibility Processing Selected

Visibility Options are Checked for FLAG 2008

Class I Area: CACR

Extinction Computation includes:

SULFATES
NITRATES
NO2 GAS

Fraction CALPUFF NOx used as NO2 : 1.000

ORGANIC CARBON
ELEMENTAL CARBON
COARSE PARTICLES
FINE PARTICLES
BACKGROUND

Particle f(RH) growth curve(s) : IMPROVE (2006) Tables

Max. RH % for particle growth (%): 95.000

Species name for modeled particulates

coarse: PMC
fine: PMF

Extinction Efficiency (1/Mm per ug/m**3)

ammonium sulfate S: 2.2000
ammonium sulfate L: 4.8000
ammonium nitrate S: 2.4000
ammonium nitrate L: 5.1000
organic carbon S: 2.8000
organic carbon L: 6.1000
sea salt: 1.7000
NO2 gas: 0.1755
soil: 1.0000
elemental carbon: 10.0000
MODELED coarse PM: 0.6000
MODELED fine PM: 1.0000
BACKGRND coarse PM: 0.6000

Background Extinction Calculation Method 8

Method 8 Mode: 5
(24-hr avg conc. with monthly F(RH) data)

Monthly RH factor for small particles:

1 .3850E+01
2 .3440E+01
3 .3140E+01
4 .3240E+01
5 .3660E+01
6 .3710E+01
7 .3490E+01
8 .3510E+01
9 .3730E+01
10 .3720E+01
11 .3680E+01
12 .3880E+01

Monthly RH factor for large particles:

1 .2770E+01
2 .2530E+01
3 .2370E+01
4 .2430E+01

5 .2680E+01
6 .2710E+01
7 .2590E+01
8 .2600E+01
9 .2710E+01
10 .2690E+01
11 .2670E+01
12 .2790E+01

Monthly RH factor for sea salt:

1 .3900E+01
2 .3520E+01
3 .3310E+01
4 .3410E+01
5 .3830E+01
6 .3880E+01
7 .3690E+01
8 .3680E+01
9 .3820E+01
10 .3760E+01
11 .3770E+01
12 .3930E+01

Rayleigh scattering extinction (1/Mm): 11.00

Monthly background conc. (ug/m**3):

	(NH4)2SO4	(NH4)NO3	PM-C	OC	SOIL	EC	SEA SALT
1	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
2	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
3	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
4	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
5	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
6	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
7	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
8	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
9	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
10	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
11	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
12	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01

Optional output file for visibility 1

Create file of DAILY (24 hour) Delta-Deciview

Output options

Units requested for output: (1/Mega-m)

Averaging time(s) selected

User-specified averaging time (hr:mm:ss): 0: 0: 0

1-pd averages: F

1-hr averages: F

3-hr averages: F

24-hr averages: T

User-specified averages: F
Length of run averages: F

Output components selected

 Top-50: F
 Top-N values at each receptor: F
 Exceedance counts at each receptor: F
 Output selected information for debugging: F
 Echo tables for selected days: F
 Time-series for selected days: F
 Peak value Time-series for selected days: F

Plot file option

 Plot files created: F

MAPSPEC: Species Mapping

 Number of species-levels in file : 9
 Number of species-levels processed: 10

Input ID	Processing ID	Name
1	1	SO2
2	2	SO4
3	3	NOX
4	4	HNO3
5	5	NO3
6	6	PMC
7	7	PMF
8	8	EC
9	9	SOA

Visibility Species

	Processing ID	Name
sulfate	2	SO4
no2gas	10	NO2
noxgas	3	NOX
nitrate	5	NO3
specpmf	7	PMF
specpmc	6	PMC
orgcarb	9	SOA
lmncarb	8	EC

IDENTIFICATION OF PROCESSED MODEL FILE -----

CALPUFF 5.8 070623

Cleco, Brame Energy Center
ALM-step1
Repartitioning of NO3/HNO3

Averaging time for values reported from model:
1 HOUR

Number of averaging periods in file from model:

8760

Chemical species names for each layer in model:

SO ₂	1
SO ₄	1
NOX	1
HNO ₃	1
NO ₃	1
PMC	1
PMF	1
EC	1
SOA	1

QA Information -- Internal Representation of Data

CONTENTS OF CONTROL FILE -----

```

navg,ntop      = 0 4
navgh,navgm,navgs = 0 0 0
itop = 1 2 3 4
L[1,3,24]HR    = F F T
LNAVG, LRUNL   = F F
LT50, LTOPN, LEXCD = F F F
LECHO, LTIME, LPKAK = F F F
THRESH1        = -1.00000000
THRESH3        = -1.00000000
THRESH24       = -1.00000000
THRESHN        = -1.00000000
PLT, LGRD     = F F
MDVIS         = 1
LDEBUG         = F
LCTSG          = F

```

CONTENTS OF HEADER OF MODEL OUTPUT FILE -----

```

model : CALPUFF 5.8      070623
msyr,mjsday = 2001 365
mshr,mssec  = 23 0
nsecdt (period) = 3600
xbtz        = 0.0000000E+00
mnper,nszout,mavgpd = 8760 9 1
xorigkm,yorigkm,nsssta = -1008.00006 -1620.00012 0
ielmet,jelmet = 306 246
delx,dely,nz = 6.00000048 6.00000048 1
iastar,iastop,jastar,jastop = 1 306 1 246
isastr,isastp,jsastr,jsastp = 1 306 1 246
(computed) ngx,ngy = 306 246
meshdn,npts,nareas = 1 2 0
nlines,nvols = 0 0
ndrec,nctrec,LSGRID = 120 0 F

```

Discrete Receptors (n,x,y,z):

```

1 270.325958 -617.518738 365.000000
2 271.090424 -617.493958 365.000000
3 271.854797 -617.469055 368.000000
4 268.767365 -616.646362 411.000000
5 269.531738 -616.621643 462.000000
6 270.296112 -616.596924 431.000000
7 271.060486 -616.572083 518.000000
8 271.824768 -616.547180 487.000000
9 272.589142 -616.522217 396.000000
10 265.680573 -615.822449 518.000000
11 266.444855 -615.798096 523.000000
12 267.209137 -615.773560 548.000000
13 267.973419 -615.749023 579.000000
14 268.737701 -615.724487 547.000000
15 269.501984 -615.699768 538.000000
16 270.266174 -615.674988 640.000000
17 271.030457 -615.650146 608.000000
18 260.301758 -615.069458 335.000000
19 261.065948 -615.045532 431.000000
20 261.830139 -615.021545 457.000000
21 262.594421 -614.997498 414.000000
22 263.358612 -614.973389 426.000000

```

23 264.122803 -614.949219 426.000000
24 264.886993 -614.924866 388.000000
25 265.651184 -614.900513 388.000000
26 266.415375 -614.876160 365.000000
27 267.179565 -614.851746 386.000000
28 267.943756 -614.827209 396.000000
29 268.707947 -614.802551 426.000000
30 269.472137 -614.777832 446.000000
31 270.236328 -614.753113 441.000000
32 271.000519 -614.728210 457.000000
33 271.764709 -614.703430 465.000000
34 272.528900 -614.678406 442.000000
35 273.293091 -614.653320 426.000000
36 260.273010 -614.147583 304.000000
37 261.037109 -614.123596 304.000000
38 261.801208 -614.099609 319.000000
39 262.565308 -614.075623 334.000000
40 263.329498 -614.051453 370.000000
41 264.093597 -614.027283 405.000000
42 264.857697 -614.003052 409.000000
43 265.621796 -613.978699 450.000000
44 266.385895 -613.954224 518.000000
45 267.150085 -613.929871 609.000000
46 267.914185 -613.905273 534.000000
47 268.678284 -613.880615 517.000000
48 269.442383 -613.856018 575.000000
49 270.206482 -613.831177 600.000000
50 270.970581 -613.806458 609.000000
51 271.734680 -613.781555 609.000000
52 272.498779 -613.756592 561.000000
53 261.008270 -613.201660 335.000000
54 261.772278 -613.177795 432.000000
55 262.536285 -613.153687 487.000000
56 263.300385 -613.129517 499.000000
57 264.064392 -613.105347 514.000000
58 264.828400 -613.081177 442.000000
59 265.592407 -613.056824 439.000000
60 266.356506 -613.032410 395.000000
61 267.120514 -613.007935 400.000000
62 267.884521 -612.983398 426.000000
63 268.648529 -612.958801 487.000000
64 269.412537 -612.934143 548.000000
65 270.176544 -612.909363 548.000000
66 270.940643 -612.884521 548.000000
67 271.704651 -612.859619 535.000000
68 261.743347 -612.255859 304.000000
69 262.507263 -612.231750 334.000000
70 263.271271 -612.207703 396.000000
71 264.035187 -612.183533 457.000000
72 264.799103 -612.159241 457.000000
73 265.563110 -612.134888 426.000000
74 266.327026 -612.110535 411.000000
75 267.090942 -612.086121 406.000000
76 267.854858 -612.061462 396.000000
77 268.618866 -612.036926 401.000000
78 269.382782 -612.012207 397.000000

79 261.714325 -611.333984 322.000000
80 262.478241 -611.309937 334.000000
81 777.710327 -1118.01306 0.00000000E+00
82 779.970947 -1115.93896 0.00000000E+00
83 780.696777 -1114.93750 0.00000000E+00
84 781.422607 -1113.93604 0.00000000E+00
85 785.607117 -1106.06689 0.00000000E+00
86 789.226929 -1101.05811 0.00000000E+00
87 789.783386 -1098.19727 0.00000000E+00
88 791.229553 -1096.19348 1.00000000
89 791.145874 -1095.26416 1.00000000
90 791.784912 -1093.33289 1.00000000
91 791.701233 -1092.40356 1.00000000
92 792.339722 -1090.47253 1.00000000
93 792.256042 -1089.54321 1.00000000
94 792.172180 -1088.61401 1.00000000
95 792.088318 -1087.68494 1.00000000
96 792.004639 -1086.75574 0.00000000E+00
97 791.920776 -1085.82666 0.00000000E+00
98 791.753418 -1083.96826 0.00000000E+00
99 792.558716 -1083.89575 1.00000000
100 792.474670 -1082.96667 1.00000000
101 791.585876 -1082.11023 0.00000000E+00
102 792.390991 -1082.03760 1.00000000
103 791.502014 -1081.18127 0.00000000E+00
104 792.307129 -1081.10864 1.00000000
105 791.418335 -1080.25220 1.00000000
106 791.334473 -1079.32324 1.00000000
107 790.446045 -1078.46667 0.00000000E+00
108 791.250793 -1078.39417 1.00000000
109 790.362366 -1077.53772 0.00000000E+00
110 791.167114 -1077.46521 1.00000000
111 790.278687 -1076.60876 0.00000000E+00
112 790.195007 -1075.67993 0.00000000E+00
113 790.111328 -1074.75098 1.00000000
114 789.223267 -1073.89453 0.00000000E+00
115 789.139771 -1072.96558 0.00000000E+00
116 788.251892 -1072.10913 0.00000000E+00
117 788.168396 -1071.18030 1.00000000
118 787.280884 -1070.32373 0.00000000E+00
119 786.393372 -1069.46704 0.00000000E+00
120 785.506226 -1068.61035 0.00000000E+00

Surface Met Station UTM_s (n,x,y):

Control-file POINT Sources : 2
EMARB-file POINT Sources : 0
Control-file AREA Sources : 0
EMARB-file AREA Sources : 0
Control-file LINE Sources : 0
EMARB-file LINE Sources : 0
Control-file VOLUME Sources: 0
EMARB-file VOLUME Sources : 0

Source Names
UNIT 1

UNIT 2

INPUT FILES

Default Name	Unit No.	File Name and Path
--------------	----------	--------------------

CALPOST.INP	5	CT_CLECO_02_CACR.INP
MODEL.DAT	4	pu_cleco_02.flx

OUTPUT FILES

Default Name	Unit No.	File Name and Path
--------------	----------	--------------------

CALPOST.LST	8	ct_cleco_02_cacr.lst
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```
*****
*****  
CALPOST Version 6.221      Level 080724  
*****  
*****
```

24HR VISIBILITY

VISIB BOESNCFG

(1/Mega-m)

START TIME		Modeled Extinction by Species																		
Small	Large	SSalt	RECEPTOR	COORDINATES (km)	TYPE	BEXT(Model)	BEXT(BKG)	BEXT(Total)	%CHANGE	bxSO4	bxNO3	bxOC	bxEC	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)	
2001	365	23	1	270.326 -617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.880	2.790	3.930														
2002	1	23	1	270.326 -617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.850	2.770	3.900														
2002	2	23	1	270.326 -617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.850	2.770	3.900														
2002	3	23	3	271.855 -617.469	D	0.004	22.161	22.165	0.02	0.002	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.850	2.770	3.900														
2002	4	23	19	261.066 -615.046	D	6.528	22.161	28.689	29.46	3.176	3.261	0.016	0.024	0.002	0.033	0.017	3.850	2.770	3.900	
0.002	0.000	0.004	0.000	3.850	2.770	3.900														
2002	5	23	3	271.855 -617.469	D	1.300	22.161	23.461	5.87	0.774	0.517	0.002	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.002	0.000	0.004	0.000	3.850	2.770	3.900														
2002	6	23	1	270.326 -617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.850	2.770	3.900														

2002	7 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	8 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	9 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	10 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	11 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	12 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	13 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	14 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	15 23	3	271.855	-617.469	D	2.204	22.161	24.365	9.95	0.638	1.469	0.010
0.014	0.004	0.019	0.050	3.850	2.770	3.900						
2002	16 23	18	260.302	-615.069	D	1.245	22.161	23.406	5.62	0.738	0.495	0.003
0.004	0.000	0.006	0.000	3.850	2.770	3.900						
2002	17 23	18	260.302	-615.069	D	0.777	22.161	22.938	3.51	0.500	0.271	0.002
0.002	0.000	0.003	0.000	3.850	2.770	3.900						
2002	18 23	3	271.855	-617.469	D	0.796	22.161	22.957	3.59	0.548	0.243	0.001
0.002	0.000	0.002	0.000	3.850	2.770	3.900						
2002	19 23	3	271.855	-617.469	D	0.019	22.161	22.180	0.09	0.015	0.004	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	20 23	3	271.855	-617.469	D	0.056	22.161	22.217	0.25	0.039	0.017	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	21 23	18	260.302	-615.069	D	2.292	22.161	24.453	10.34	1.624	0.652	0.004
0.004	0.000	0.007	0.001	3.850	2.770	3.900						
2002	22 23	35	273.293	-614.653	D	3.572	22.161	25.733	16.12	2.405	1.142	0.006
0.008	0.000	0.011	0.001	3.850	2.770	3.900						
2002	23 23	35	273.293	-614.653	D	0.006	22.161	22.167	0.03	0.005	0.001	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	24 23	3	271.855	-617.469	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	25 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	26 23	9	272.589	-616.522	D	1.961	22.161	24.122	8.85	1.307	0.624	0.007
0.009	0.001	0.013	0.001	3.850	2.770	3.900						
2002	27 23	35	273.293	-614.653	D	2.399	22.161	24.560	10.83	1.604	0.763	0.008
0.010	0.000	0.014	0.000	3.850	2.770	3.900						
2002	28 23	35	273.293	-614.653	D	0.008	22.161	22.168	0.03	0.007	0.001	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	29 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	30 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	31 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	32 23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520						
2002	33 23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520						
2002	34 23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520						

2002	35	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	36	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	37	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	38	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	39	23	35	273.293	-614.653	D	0.695	21.835	22.530	3.18	0.386	0.304	0.001
0.002	0.000	0.003	0.000	3.440	2.530	3.520							
2002	40	23	35	273.293	-614.653	D	0.008	21.835	21.843	0.04	0.007	0.002	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	41	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	42	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	43	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	44	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	45	23	3	271.855	-617.469	D	1.942	21.835	23.777	8.90	1.253	0.672	0.004
0.005	0.000	0.008	0.000	3.440	2.530	3.520							
2002	46	23	3	271.855	-617.469	D	0.062	21.835	21.897	0.28	0.046	0.015	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	47	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	48	23	18	260.302	-615.069	D	2.753	21.835	24.588	12.61	1.415	1.271	0.012
0.014	0.002	0.020	0.019	3.440	2.530	3.520							
2002	49	23	35	273.293	-614.653	D	1.337	21.835	23.172	6.13	0.593	0.658	0.010
0.012	0.001	0.017	0.047	3.440	2.530	3.520							
2002	50	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	51	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	52	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	53	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	54	23	9	272.589	-616.522	D	0.058	21.835	21.893	0.26	0.037	0.021	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	55	23	35	273.293	-614.653	D	0.020	21.835	21.854	0.09	0.014	0.005	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	56	23	35	273.293	-614.653	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	57	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	58	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	59	23	18	260.302	-615.069	D	3.412	21.835	25.246	15.63	1.242	2.068	0.014
0.015	0.001	0.022	0.048	3.440	2.530	3.520							
2002	60	23	18	260.302	-615.069	D	0.937	21.600	22.537	4.34	0.594	0.336	0.002
0.002	0.000	0.003	0.001	3.140	2.370	3.310							
2002	61	23	9	272.589	-616.522	D	0.003	21.600	21.603	0.01	0.002	0.001	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	62	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							

2002	63	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	64	23	18	260.302	-615.069	D	0.107	21.600	21.707	0.50	0.075	0.031	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	65	23	79	261.714	-611.334	D	0.039	21.600	21.639	0.18	0.028	0.010	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	66	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	67	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	68	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	69	23	19	261.066	-615.046	D	0.549	21.600	22.149	2.54	0.187	0.345	0.002
0.003	0.001	0.004	0.006	3.140	2.370	3.310							
2002	70	23	79	261.714	-611.334	D	0.638	21.600	22.238	2.95	0.458	0.174	0.001
0.002	0.000	0.002	0.000	3.140	2.370	3.310							
2002	71	23	9	272.589	-616.522	D	0.790	21.600	22.390	3.66	0.631	0.152	0.002
0.002	0.000	0.003	0.000	3.140	2.370	3.310							
2002	72	23	35	273.293	-614.653	D	0.569	21.600	22.169	2.63	0.456	0.109	0.001
0.001	0.000	0.002	0.000	3.140	2.370	3.310							
2002	73	23	35	273.293	-614.653	D	0.040	21.600	21.640	0.18	0.036	0.004	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	74	23	9	272.589	-616.522	D	0.001	21.600	21.601	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	75	23	3	271.855	-617.469	D	1.610	21.600	23.210	7.45	1.144	0.453	0.003
0.004	0.000	0.006	0.000	3.140	2.370	3.310							
2002	76	23	1	270.326	-617.519	D	1.933	21.600	23.533	8.95	1.428	0.492	0.003
0.004	0.000	0.005	0.000	3.140	2.370	3.310							
2002	77	23	19	261.066	-615.046	D	5.378	21.600	26.978	24.90	3.030	2.249	0.016
0.021	0.002	0.030	0.029	3.140	2.370	3.310							
2002	78	23	3	271.855	-617.469	D	0.787	21.600	22.386	3.64	0.584	0.197	0.001
0.002	0.000	0.002	0.000	3.140	2.370	3.310							
2002	79	23	3	271.855	-617.469	D	0.012	21.600	21.612	0.05	0.010	0.002	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	80	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	81	23	18	260.302	-615.069	D	0.002	21.600	21.602	0.01	0.001	0.001	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	82	23	3	271.855	-617.469	D	0.739	21.600	22.339	3.42	0.451	0.278	0.002
0.003	0.000	0.004	0.000	3.140	2.370	3.310							
2002	83	23	79	261.714	-611.334	D	0.079	21.600	21.678	0.36	0.061	0.017	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	84	23	35	273.293	-614.653	D	0.363	21.600	21.963	1.68	0.282	0.078	0.001
0.001	0.000	0.001	0.000	3.140	2.370	3.310							
2002	85	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	86	23	9	272.589	-616.522	D	0.662	21.600	22.262	3.07	0.465	0.188	0.002
0.003	0.000	0.004	0.001	3.140	2.370	3.310							
2002	87	23	35	273.293	-614.653	D	0.746	21.600	22.346	3.45	0.642	0.099	0.001
0.002	0.000	0.003	0.000	3.140	2.370	3.310							
2002	88	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	89	23	3	271.855	-617.469	D	0.263	21.600	21.863	1.22	0.189	0.072	0.000
0.001	0.000	0.001	0.000	3.140	2.370	3.310							
2002	90	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							

2002	91	23	3	271.855	-617.469	D	1.021	21.680	22.701	4.71	0.790	0.222	0.002
0.003	0.000	0.004	0.000	3.240	2.430	3.410							
2002	92	23	3	271.855	-617.469	D	0.305	21.680	21.984	1.40	0.264	0.038	0.000
0.001	0.000	0.001	0.000	3.240	2.430	3.410							
2002	93	23	3	271.855	-617.469	D	0.002	21.680	21.682	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	94	23	18	260.302	-615.069	D	0.001	21.680	21.681	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	95	23	18	260.302	-615.069	D	0.019	21.680	21.699	0.09	0.018	0.001	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	96	23	19	261.066	-615.046	D	0.758	21.680	22.437	3.49	0.330	0.401	0.004
0.004	0.001	0.006	0.011	3.240	2.430	3.410							
2002	97	23	35	273.293	-614.653	D	0.104	21.680	21.784	0.48	0.068	0.034	0.000
0.000	0.000	0.001	0.001	3.240	2.430	3.410							
2002	98	23	36	260.273	-614.148	D	0.343	21.680	22.023	1.58	0.289	0.052	0.001
0.001	0.000	0.001	0.000	3.240	2.430	3.410							
2002	99	23	18	260.302	-615.069	D	0.156	21.680	21.836	0.72	0.141	0.014	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	100	23	18	260.302	-615.069	D	0.546	21.680	22.225	2.52	0.518	0.024	0.001
0.001	0.000	0.002	0.000	3.240	2.430	3.410							
2002	101	23	35	273.293	-614.653	D	1.881	21.680	23.561	8.68	1.739	0.126	0.004
0.005	0.000	0.007	0.000	3.240	2.430	3.410							
2002	102	23	9	272.589	-616.522	D	1.081	21.680	22.761	4.99	1.005	0.066	0.002
0.003	0.000	0.005	0.000	3.240	2.430	3.410							
2002	103	23	35	273.293	-614.653	D	1.177	21.680	22.857	5.43	1.024	0.143	0.002
0.003	0.000	0.004	0.000	3.240	2.430	3.410							
2002	104	23	3	271.855	-617.469	D	0.001	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	105	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	106	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	107	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	108	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	109	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	110	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	111	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	112	23	8	271.825	-616.547	D	2.291	21.680	23.971	10.57	1.726	0.532	0.006
0.009	0.001	0.013	0.004	3.240	2.430	3.410							
2002	113	23	67	271.705	-612.860	D	0.824	21.680	22.504	3.80	0.640	0.175	0.002
0.003	0.000	0.004	0.000	3.240	2.430	3.410							
2002	114	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	115	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	116	23	18	260.302	-615.069	D	1.052	21.680	22.732	4.85	0.572	0.463	0.003
0.004	0.000	0.005	0.003	3.240	2.430	3.410							
2002	117	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	118	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							

2002	119	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	120	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	121	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	122	23	3	271.855	-617.469	D	0.002	22.015	22.017	0.01	0.001	0.001	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	123	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	124	23	3	271.855	-617.469	D	1.574	22.015	23.590	7.15	1.410	0.153	0.003
0.004	0.000	0.005	0.000	3.660	2.680	3.830							
2002	125	23	35	273.293	-614.653	D	0.700	22.015	22.716	3.18	0.561	0.134	0.001
0.002	0.000	0.002	0.000	3.660	2.680	3.830							
2002	126	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	127	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	128	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	129	23	35	273.293	-614.653	D	0.144	22.015	22.159	0.65	0.119	0.023	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	130	23	35	273.293	-614.653	D	1.402	22.015	23.417	6.37	0.931	0.454	0.003
0.004	0.000	0.006	0.003	3.660	2.680	3.830							
2002	131	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	132	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	133	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	134	23	18	260.302	-615.069	D	0.955	22.015	22.970	4.34	0.764	0.172	0.004
0.005	0.001	0.007	0.001	3.660	2.680	3.830							
2002	135	23	18	260.302	-615.069	D	0.274	22.015	22.289	1.24	0.234	0.034	0.001
0.002	0.000	0.003	0.000	3.660	2.680	3.830							
2002	136	23	67	271.705	-612.860	D	0.005	22.015	22.020	0.02	0.004	0.001	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	137	23	35	273.293	-614.653	D	0.198	22.015	22.213	0.90	0.173	0.024	0.000
0.000	0.000	0.001	0.000	3.660	2.680	3.830							
2002	138	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	139	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	140	23	18	260.302	-615.069	D	0.001	22.015	22.016	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	141	23	18	260.302	-615.069	D	0.444	22.015	22.460	2.02	0.298	0.135	0.002
0.003	0.000	0.004	0.002	3.660	2.680	3.830							
2002	142	23	18	260.302	-615.069	D	0.187	22.015	22.202	0.85	0.166	0.016	0.001
0.001	0.000	0.002	0.000	3.660	2.680	3.830							
2002	143	23	35	273.293	-614.653	D	0.000	22.015	22.016	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	144	23	35	273.293	-614.653	D	0.027	22.015	22.043	0.12	0.026	0.001	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	145	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	146	23	9	272.589	-616.522	D	0.000	22.015	22.016	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							

2002	147	23	35	273.293	-614.653	D	0.574	22.015	22.589	2.61	0.416	0.152	0.001
0.002	0.000	0.002	0.000	3.660	2.680	3.830							
2002	148	23	67	271.705	-612.860	D	0.013	22.015	22.028	0.06	0.009	0.003	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	149	23	67	271.705	-612.860	D	1.562	22.015	23.578	7.10	1.254	0.296	0.003
0.004	0.000	0.005	0.000	3.660	2.680	3.830							
2002	150	23	3	271.855	-617.469	D	0.174	22.015	22.189	0.79	0.162	0.011	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	151	23	79	261.714	-611.334	D	0.002	22.015	22.018	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	152	23	35	273.293	-614.653	D	0.349	22.055	22.405	1.58	0.314	0.031	0.001
0.001	0.000	0.002	0.000	3.710	2.710	3.880							
2002	153	23	79	261.714	-611.334	D	0.000	22.055	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	154	23	35	273.293	-614.653	D	0.016	22.055	22.071	0.07	0.016	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	155	23	36	260.273	-614.148	D	0.014	22.055	22.069	0.06	0.014	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	156	23	18	260.302	-615.069	D	0.017	22.055	22.073	0.08	0.016	0.001	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	157	23	18	260.302	-615.069	D	0.015	22.055	22.070	0.07	0.015	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	158	23	18	260.302	-615.069	D	0.034	22.055	22.089	0.15	0.033	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	159	23	36	260.273	-614.148	D	0.308	22.055	22.363	1.40	0.240	0.062	0.001
0.001	0.000	0.002	0.000	3.710	2.710	3.880							
2002	160	23	35	273.293	-614.653	D	2.101	22.055	24.157	9.53	1.665	0.396	0.007
0.009	0.001	0.013	0.009	3.710	2.710	3.880							
2002	161	23	35	273.293	-614.653	D	0.673	22.055	22.729	3.05	0.471	0.195	0.002
0.002	0.000	0.003	0.000	3.710	2.710	3.880							
2002	162	23	35	273.293	-614.653	D	0.522	22.055	22.577	2.37	0.495	0.019	0.002
0.002	0.000	0.003	0.000	3.710	2.710	3.880							
2002	163	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	164	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	165	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	166	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	167	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	168	23	1	270.326	-617.519	D	0.001	22.055	22.056	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	169	23	18	260.302	-615.069	D	0.565	22.055	22.621	2.56	0.535	0.018	0.003
0.003	0.001	0.004	0.001	3.710	2.710	3.880							
2002	170	23	52	272.499	-613.757	D	0.948	22.055	23.003	4.30	0.744	0.185	0.004
0.004	0.001	0.006	0.003	3.710	2.710	3.880							
2002	171	23	79	261.714	-611.334	D	0.266	22.055	22.321	1.20	0.251	0.012	0.001
0.001	0.000	0.001	0.000	3.710	2.710	3.880							
2002	172	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	173	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	174	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							

2002	175	23	3	271.855	-617.469	D	0.008	22.055	22.063	0.04	0.007	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	176	23	3	271.855	-617.469	D	3.120	22.055	25.176	14.15	2.670	0.429	0.005
0.006	0.001	0.009	0.000	3.710	2.710	3.880							
2002	177	23	35	273.293	-614.653	D	3.053	22.055	25.109	13.84	2.744	0.291	0.004
0.005	0.001	0.008	0.000	3.710	2.710	3.880							
2002	178	23	3	271.855	-617.469	D	2.028	22.055	24.083	9.20	1.838	0.176	0.003
0.004	0.000	0.006	0.000	3.710	2.710	3.880							
2002	179	23	78	269.383	-612.012	D	1.733	22.055	23.789	7.86	1.637	0.086	0.003
0.003	0.000	0.005	0.000	3.710	2.710	3.880							
2002	180	23	79	261.714	-611.334	D	0.021	22.055	22.076	0.09	0.020	0.001	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	181	23	35	273.293	-614.653	D	1.201	22.055	23.256	5.44	1.143	0.047	0.003
0.003	0.000	0.005	0.000	3.710	2.710	3.880							
2002	182	23	79	261.714	-611.334	D	1.208	21.881	23.089	5.52	1.174	0.026	0.002
0.002	0.000	0.004	0.000	3.490	2.590	3.690							
2002	183	23	35	273.293	-614.653	D	2.180	21.881	24.061	9.96	1.829	0.337	0.003
0.004	0.001	0.006	0.000	3.490	2.590	3.690							
2002	184	23	9	272.589	-616.522	D	6.483	21.881	28.364	29.63	5.727	0.718	0.009
0.011	0.002	0.016	0.000	3.490	2.590	3.690							
2002	185	23	79	261.714	-611.334	D	1.932	21.881	23.813	8.83	1.869	0.051	0.003
0.003	0.000	0.005	0.000	3.490	2.590	3.690							
2002	186	23	18	260.302	-615.069	D	0.110	21.881	21.991	0.50	0.109	0.001	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	187	23	18	260.302	-615.069	D	0.006	21.881	21.887	0.03	0.006	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	188	23	36	260.273	-614.148	D	0.011	21.881	21.892	0.05	0.011	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	189	23	79	261.714	-611.334	D	0.031	21.881	21.913	0.14	0.031	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	190	23	18	260.302	-615.069	D	0.158	21.881	22.039	0.72	0.156	0.001	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	191	23	18	260.302	-615.069	D	0.307	21.881	22.188	1.40	0.303	0.002	0.000
0.001	0.000	0.001	0.000	3.490	2.590	3.690							
2002	192	23	79	261.714	-611.334	D	0.500	21.881	22.381	2.28	0.491	0.007	0.001
0.001	0.000	0.001	0.000	3.490	2.590	3.690							
2002	193	23	35	273.293	-614.653	D	0.501	21.881	22.382	2.29	0.468	0.031	0.001
0.001	0.000	0.001	0.000	3.490	2.590	3.690							
2002	194	23	35	273.293	-614.653	D	0.328	21.881	22.210	1.50	0.317	0.009	0.000
0.000	0.000	0.001	0.000	3.490	2.590	3.690							
2002	195	23	9	272.589	-616.522	D	0.239	21.881	22.121	1.09	0.228	0.010	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	196	23	71	264.035	-612.184	D	0.132	21.881	22.014	0.60	0.128	0.004	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	197	23	45	267.150	-613.930	D	0.237	21.881	22.118	1.08	0.138	0.092	0.001
0.002	0.000	0.002	0.002	3.490	2.590	3.690							
2002	198	23	35	273.293	-614.653	D	0.093	21.881	21.974	0.42	0.081	0.011	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	199	23	18	260.302	-615.069	D	0.000	21.881	21.882	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	200	23	10	265.681	-615.822	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	201	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	202	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							

2002	203	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	204	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	205	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	206	23	3	271.855	-617.469	D	0.060	21.881	21.941	0.27	0.058	0.002	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	207	23	35	273.293	-614.653	D	0.038	21.881	21.920	0.18	0.037	0.002	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	208	23	33	271.765	-614.703	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	209	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	210	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	211	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	212	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	213	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	214	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	215	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	216	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	217	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	218	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	219	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	220	23	3	271.855	-617.469	D	0.003	21.896	21.898	0.01	0.003	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	221	23	36	260.273	-614.148	D	1.409	21.896	23.304	6.43	1.264	0.120	0.005
0.007	0.001	0.010	0.001	3.510	2.600	3.680							
2002	222	23	18	260.302	-615.069	D	0.414	21.896	22.309	1.89	0.381	0.023	0.002
0.002	0.001	0.004	0.001	3.510	2.600	3.680							
2002	223	23	35	273.293	-614.653	D	0.842	21.896	22.738	3.85	0.768	0.060	0.003
0.004	0.001	0.006	0.000	3.510	2.600	3.680							
2002	224	23	35	273.293	-614.653	D	0.583	21.896	22.479	2.66	0.563	0.013	0.002
0.002	0.000	0.004	0.000	3.510	2.600	3.680							
2002	225	23	18	260.302	-615.069	D	0.358	21.896	22.254	1.63	0.336	0.020	0.000
0.000	0.000	0.001	0.000	3.510	2.600	3.680							
2002	226	23	79	261.714	-611.334	D	0.406	21.896	22.301	1.85	0.388	0.016	0.000
0.000	0.000	0.001	0.000	3.510	2.600	3.680							
2002	227	23	9	272.589	-616.522	D	0.474	21.896	22.370	2.17	0.344	0.121	0.002
0.002	0.001	0.003	0.002	3.510	2.600	3.680							
2002	228	23	35	273.293	-614.653	D	0.035	21.896	21.931	0.16	0.030	0.005	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	229	23	36	260.273	-614.148	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	230	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							

2002	231	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	232	23	35	273.293	-614.653	D	2.617	21.896	24.513	11.95	2.502	0.085	0.007
0.008	0.002	0.012	0.001	3.510	2.600	3.680							
2002	233	23	1	270.326	-617.519	D	3.865	21.896	25.761	17.65	3.775	0.060	0.007
0.009	0.002	0.013	0.000	3.510	2.600	3.680							
2002	234	23	35	273.293	-614.653	D	1.476	21.896	23.372	6.74	1.457	0.008	0.003
0.003	0.000	0.005	0.000	3.510	2.600	3.680							
2002	235	23	35	273.293	-614.653	D	0.028	21.896	21.924	0.13	0.028	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	236	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	237	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	238	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	239	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	240	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	241	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	242	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	243	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	244	23	79	261.714	-611.334	D	0.001	22.067	22.068	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	245	23	36	260.273	-614.148	D	0.002	22.067	22.069	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	246	23	36	260.273	-614.148	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	247	23	36	260.273	-614.148	D	0.002	22.067	22.069	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	248	23	79	261.714	-611.334	D	0.002	22.067	22.069	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	249	23	36	260.273	-614.148	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	250	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	251	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	252	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	253	23	79	261.714	-611.334	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	254	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	255	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	256	23	18	260.302	-615.069	D	0.147	22.067	22.214	0.67	0.145	0.001	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	257	23	18	260.302	-615.069	D	0.749	22.067	22.816	3.39	0.713	0.032	0.001
0.001	0.000	0.002	0.000	3.730	2.710	3.820							
2002	258	23	1	270.326	-617.519	D	0.473	22.067	22.540	2.14	0.460	0.011	0.001
0.001	0.000	0.001	0.000	3.730	2.710	3.820							

2002	259	23	18	260.302	-615.069	D	0.653	22.067	22.720	2.96	0.626	0.024	0.001
0.001	0.000	0.001	0.000	3.730	2.710	3.820							
2002	260	23	79	261.714	-611.334	D	0.400	22.067	22.467	1.81	0.377	0.021	0.000
0.001	0.000	0.001	0.000	3.730	2.710	3.820							
2002	261	23	68	261.743	-612.256	D	0.001	22.067	22.068	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	262	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	263	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	264	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	265	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	266	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	267	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	268	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	269	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	270	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	271	23	18	260.302	-615.069	D	0.071	22.067	22.138	0.32	0.066	0.005	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	272	23	18	260.302	-615.069	D	0.969	22.067	23.036	4.39	0.931	0.028	0.002
0.003	0.001	0.004	0.000	3.730	2.710	3.820							
2002	273	23	79	261.714	-611.334	D	1.316	22.067	23.383	5.96	1.232	0.069	0.004
0.005	0.000	0.007	0.000	3.730	2.710	3.820							
2002	274	23	35	273.293	-614.653	D	1.742	22.056	23.798	7.90	1.356	0.349	0.007
0.009	0.001	0.013	0.006	3.720	2.690	3.760							
2002	275	23	36	260.273	-614.148	D	0.127	22.056	22.183	0.58	0.124	0.002	0.000
0.001	0.000	0.001	0.000	3.720	2.690	3.760							
2002	276	23	3	271.855	-617.469	D	0.057	22.056	22.113	0.26	0.042	0.015	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	277	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	278	23	3	271.855	-617.469	D	0.115	22.056	22.171	0.52	0.103	0.011	0.000
0.000	0.000	0.001	0.000	3.720	2.690	3.760							
2002	279	23	3	271.855	-617.469	D	0.002	22.056	22.058	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	280	23	18	260.302	-615.069	D	0.102	22.056	22.158	0.46	0.094	0.007	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	281	23	18	260.302	-615.069	D	2.148	22.056	24.204	9.74	1.640	0.493	0.003
0.004	0.001	0.006	0.001	3.720	2.690	3.760							
2002	282	23	1	270.326	-617.519	D	3.059	22.056	25.115	13.87	2.255	0.781	0.005
0.007	0.001	0.010	0.001	3.720	2.690	3.760							
2002	283	23	18	260.302	-615.069	D	2.737	22.056	24.793	12.41	2.244	0.477	0.004
0.005	0.000	0.007	0.000	3.720	2.690	3.760							
2002	284	23	36	260.273	-614.148	D	1.908	22.056	23.964	8.65	1.689	0.210	0.002
0.003	0.000	0.004	0.000	3.720	2.690	3.760							
2002	285	23	3	271.855	-617.469	D	1.442	22.056	23.499	6.54	1.320	0.116	0.002
0.002	0.000	0.003	0.000	3.720	2.690	3.760							
2002	286	23	18	260.302	-615.069	D	0.043	22.056	22.099	0.20	0.041	0.002	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							

2002	287	23	18	260.302	-615.069	D	0.002	22.056	22.059	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	288	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	289	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	290	23	9	272.589	-616.522	D	0.827	22.056	22.883	3.75	0.738	0.079	0.002
0.003	0.000	0.004	0.000	3.720	2.690	3.760							
2002	291	23	35	273.293	-614.653	D	4.174	22.056	26.231	18.93	2.092	1.998	0.012
0.020	0.001	0.027	0.023	3.720	2.690	3.760							
2002	292	23	78	269.383	-612.012	D	7.017	22.056	29.073	31.81	4.472	2.494	0.012
0.016	0.001	0.022	0.001	3.720	2.690	3.760							
2002	293	23	36	260.273	-614.148	D	2.520	22.056	24.576	11.43	1.838	0.667	0.004
0.005	0.000	0.007	0.000	3.720	2.690	3.760							
2002	294	23	18	260.302	-615.069	D	1.725	22.056	23.781	7.82	1.350	0.366	0.002
0.003	0.000	0.004	0.000	3.720	2.690	3.760							
2002	295	23	18	260.302	-615.069	D	0.518	22.056	22.574	2.35	0.442	0.073	0.001
0.001	0.000	0.001	0.000	3.720	2.690	3.760							
2002	296	23	3	271.855	-617.469	D	0.326	22.056	22.382	1.48	0.308	0.016	0.000
0.000	0.000	0.001	0.000	3.720	2.690	3.760							
2002	297	23	3	271.855	-617.469	D	3.977	22.056	26.033	18.03	2.881	1.074	0.006
0.006	0.001	0.009	0.000	3.720	2.690	3.760							
2002	298	23	3	271.855	-617.469	D	1.857	22.056	23.913	8.42	1.485	0.363	0.002
0.003	0.000	0.004	0.000	3.720	2.690	3.760							
2002	299	23	19	261.066	-615.046	D	0.643	22.056	22.700	2.92	0.540	0.101	0.001
0.001	0.000	0.001	0.000	3.720	2.690	3.760							
2002	300	23	18	260.302	-615.069	D	1.305	22.056	23.361	5.92	1.077	0.222	0.001
0.002	0.000	0.002	0.000	3.720	2.690	3.760							
2002	301	23	16	270.266	-615.675	D	4.833	22.056	26.890	21.91	3.669	1.135	0.006
0.009	0.001	0.013	0.000	3.720	2.690	3.760							
2002	302	23	1	270.326	-617.519	D	0.775	22.056	22.832	3.52	0.682	0.090	0.001
0.001	0.000	0.001	0.000	3.720	2.690	3.760							
2002	303	23	18	260.302	-615.069	D	0.201	22.056	22.257	0.91	0.181	0.019	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	304	23	36	260.273	-614.148	D	0.107	22.056	22.163	0.48	0.095	0.011	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	305	23	36	260.273	-614.148	D	0.152	22.027	22.179	0.69	0.134	0.017	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	306	23	45	267.150	-613.930	D	1.422	22.027	23.449	6.46	0.766	0.641	0.003
0.001	0.001	0.003	0.008	3.680	2.670	3.770							
2002	307	23	19	261.066	-615.046	D	0.478	22.027	22.505	2.17	0.379	0.097	0.001
0.001	0.000	0.001	0.000	3.680	2.670	3.770							
2002	308	23	1	270.326	-617.519	D	0.312	22.027	22.339	1.42	0.272	0.039	0.000
0.000	0.000	0.001	0.000	3.680	2.670	3.770							
2002	309	23	1	270.326	-617.519	D	0.070	22.027	22.097	0.32	0.066	0.003	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	310	23	4	268.767	-616.646	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	311	23	3	271.855	-617.469	D	0.459	22.027	22.486	2.08	0.300	0.155	0.001
0.001	0.000	0.002	0.000	3.680	2.670	3.770							
2002	312	23	35	273.293	-614.653	D	0.294	22.027	22.322	1.34	0.240	0.052	0.001
0.001	0.000	0.001	0.000	3.680	2.670	3.770							
2002	313	23	67	271.705	-612.860	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	314	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							

2002	315	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	316	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	317	23	9	272.589	-616.522	D	0.341	22.027	22.369	1.55	0.192	0.146	0.001
0.001	0.000	0.002	0.000	3.680	2.670	3.770							
2002	318	23	35	273.293	-614.653	D	0.370	22.027	22.397	1.68	0.221	0.145	0.001
0.001	0.000	0.002	0.000	3.680	2.670	3.770							
2002	319	23	9	272.589	-616.522	D	0.001	22.027	22.028	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	320	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	321	23	9	272.589	-616.522	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	322	23	3	271.855	-617.469	D	0.001	22.027	22.028	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	323	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	324	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	325	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	326	23	3	271.855	-617.469	D	0.030	22.027	22.057	0.14	0.022	0.007	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	327	23	3	271.855	-617.469	D	0.997	22.027	23.024	4.53	0.656	0.328	0.003
0.004	0.000	0.006	0.000	3.680	2.670	3.770							
2002	328	23	3	271.855	-617.469	D	0.727	22.027	22.754	3.30	0.539	0.182	0.001
0.002	0.000	0.003	0.000	3.680	2.670	3.770							
2002	329	23	9	272.589	-616.522	D	0.313	22.027	22.340	1.42	0.222	0.089	0.001
0.001	0.000	0.001	0.000	3.680	2.670	3.770							
2002	330	23	3	271.855	-617.469	D	0.002	22.027	22.029	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	331	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	332	23	18	260.302	-615.069	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	333	23	18	260.302	-615.069	D	0.001	22.027	22.028	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	334	23	18	260.302	-615.069	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	335	23	3	271.855	-617.469	D	0.127	22.185	22.312	0.57	0.069	0.056	0.000
0.000	0.000	0.001	0.000	3.880	2.790	3.930							
2002	336	23	3	271.855	-617.469	D	0.052	22.185	22.237	0.24	0.035	0.017	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	337	23	18	260.302	-615.069	D	0.533	22.185	22.717	2.40	0.309	0.220	0.001
0.001	0.000	0.002	0.000	3.880	2.790	3.930							
2002	338	23	2	271.090	-617.494	D	0.001	22.185	22.186	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	339	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	340	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	341	23	9	272.589	-616.522	D	6.763	22.185	28.948	30.48	3.520	3.180	0.015
0.019	0.001	0.027	0.000	3.880	2.790	3.930							
2002	342	23	18	260.302	-615.069	D	2.455	22.185	24.640	11.07	1.572	0.864	0.005
0.006	0.000	0.009	0.000	3.880	2.790	3.930							

2002	343	23	36	260.273	-614.148	D	0.170	22.185	22.355	0.77	0.123	0.047	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	344	23	36	260.273	-614.148	D	0.521	22.185	22.706	2.35	0.397	0.121	0.001
0.001	0.000	0.001	0.000	3.880	2.790	3.930							
2002	345	23	3	271.855	-617.469	D	7.398	22.185	29.582	33.35	4.464	2.878	0.013
0.015	0.002	0.022	0.002	3.880	2.790	3.930							
2002	346	23	18	260.302	-615.069	D	2.835	22.185	25.019	12.78	1.825	0.992	0.004
0.005	0.000	0.007	0.000	3.880	2.790	3.930							
2002	347	23	3	271.855	-617.469	D	0.053	22.185	22.238	0.24	0.043	0.010	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	348	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	349	23	9	272.589	-616.522	D	0.164	22.185	22.349	0.74	0.113	0.050	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	350	23	35	273.293	-614.653	D	0.011	22.185	22.196	0.05	0.008	0.002	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	351	23	35	273.293	-614.653	D	0.010	22.185	22.195	0.05	0.008	0.002	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	352	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	353	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	354	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	355	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	356	23	18	260.302	-615.069	D	0.134	22.185	22.319	0.60	0.087	0.046	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	357	23	18	260.302	-615.069	D	0.036	22.185	22.221	0.16	0.024	0.012	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	358	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	359	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	360	23	3	271.855	-617.469	D	0.457	22.185	22.641	2.06	0.223	0.230	0.001
0.001	0.000	0.001	0.000	3.880	2.790	3.930							
2002	361	23	35	273.293	-614.653	D	0.002	22.185	22.187	0.01	0.001	0.001	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	362	23	18	260.302	-615.069	D	0.018	22.185	22.203	0.08	0.015	0.003	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	363	23	79	261.714	-611.334	D	0.026	22.185	22.211	0.12	0.020	0.006	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	364	23	35	273.293	-614.653	D	0.122	22.185	22.307	0.55	0.089	0.032	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							

--- Ranked Daily Visibility Change ---

START TIME		Modeled Extinction by Species																		
Small	Large	SSalt	RECEPTOR	COORDINATES (km)	TYPE	BEXT(Model)	BEXT(BKG)	BEXT(Total)	%CHANGE	bxSO4	bxNO3	bxOC	bxEc	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)	
2002	345	23	3	271.855	-617.469	D	7.398	22.185	29.582	33.35	4.464	2.878	0.013	0.015	0.002	0.022	0.002	1		
2002	292	23	78	269.383	-612.012	D	7.017	22.056	29.073	31.81	4.472	2.494	0.012	0.016	0.001	0.022	0.001	2		
2002	341	23	9	272.589	-616.522	D	6.763	22.185	28.948	30.48	3.520	3.180	0.015							

0.005	0.000	0.008	0.000	3.440	2.530	3.520	31						
2002	26	23	9	272.589	-616.522	D	1.961	22.161	24.122	8.85	1.307	0.624	0.007
0.009	0.001	0.013	0.001	3.850	2.770	3.900	32						
2002	185	23	79	261.714	-611.334	D	1.932	21.881	23.813	8.83	1.869	0.051	0.003
0.003	0.000	0.005	0.000	3.490	2.590	3.690	33						
2002	101	23	35	273.293	-614.653	D	1.881	21.680	23.561	8.68	1.739	0.126	0.004
0.005	0.000	0.007	0.000	3.240	2.430	3.410	34						
2002	284	23	36	260.273	-614.148	D	1.908	22.056	23.964	8.65	1.689	0.210	0.002
0.003	0.000	0.004	0.000	3.720	2.690	3.760	35						
2002	298	23	3	271.855	-617.469	D	1.857	22.056	23.913	8.42	1.485	0.363	0.002
0.003	0.000	0.004	0.000	3.720	2.690	3.760	36						
2002	274	23	35	273.293	-614.653	D	1.742	22.056	23.798	7.90	1.356	0.349	0.007
0.009	0.001	0.013	0.006	3.720	2.690	3.760	37						
2002	179	23	78	269.383	-612.012	D	1.733	22.055	23.789	7.86	1.637	0.086	0.003
0.003	0.000	0.005	0.000	3.710	2.710	3.880	38						
2002	294	23	18	260.302	-615.069	D	1.725	22.056	23.781	7.82	1.350	0.366	0.002
0.003	0.000	0.004	0.000	3.720	2.690	3.760	39						
2002	75	23	3	271.855	-617.469	D	1.610	21.600	23.210	7.45	1.144	0.453	0.003
0.004	0.000	0.006	0.000	3.140	2.370	3.310	40						
2002	124	23	3	271.855	-617.469	D	1.574	22.015	23.590	7.15	1.410	0.153	0.003
0.004	0.000	0.005	0.000	3.660	2.680	3.830	41						
2002	149	23	67	271.705	-612.860	D	1.562	22.015	23.578	7.10	1.254	0.296	0.003
0.004	0.000	0.005	0.000	3.660	2.680	3.830	42						
2002	234	23	35	273.293	-614.653	D	1.476	21.896	23.372	6.74	1.457	0.008	0.003
0.003	0.000	0.005	0.000	3.510	2.600	3.680	43						
2002	285	23	3	271.855	-617.469	D	1.442	22.056	23.499	6.54	1.320	0.116	0.002
0.002	0.000	0.003	0.000	3.720	2.690	3.760	44						
2002	306	23	45	267.150	-613.930	D	1.422	22.027	23.449	6.46	0.766	0.641	0.003
0.001	0.001	0.003	0.008	3.680	2.670	3.770	45						
2002	221	23	36	260.273	-614.148	D	1.409	21.896	23.304	6.43	1.264	0.120	0.005
0.007	0.001	0.010	0.001	3.510	2.600	3.680	46						
2002	130	23	35	273.293	-614.653	D	1.402	22.015	23.417	6.37	0.931	0.454	0.003
0.004	0.000	0.006	0.003	3.660	2.680	3.830	47						
2002	49	23	35	273.293	-614.653	D	1.337	21.835	23.172	6.13	0.593	0.658	0.010
0.012	0.001	0.017	0.047	3.440	2.530	3.520	48						
2002	273	23	79	261.714	-611.334	D	1.316	22.067	23.383	5.96	1.232	0.069	0.004
0.005	0.000	0.007	0.000	3.730	2.710	3.820	49						
2002	300	23	18	260.302	-615.069	D	1.305	22.056	23.361	5.92	1.077	0.222	0.001
0.002	0.000	0.002	0.000	3.720	2.690	3.760	50						
2002	5	23	3	271.855	-617.469	D	1.300	22.161	23.461	5.87	0.774	0.517	0.002
0.002	0.000	0.004	0.000	3.850	2.770	3.900	51						
2002	16	23	18	260.302	-615.069	D	1.245	22.161	23.406	5.62	0.738	0.495	0.003
0.004	0.000	0.006	0.000	3.850	2.770	3.900	52						
2002	182	23	79	261.714	-611.334	D	1.208	21.881	23.089	5.52	1.174	0.026	0.002
0.002	0.000	0.004	0.000	3.490	2.590	3.690	53						
2002	181	23	35	273.293	-614.653	D	1.201	22.055	23.256	5.44	1.143	0.047	0.003
0.003	0.000	0.005	0.000	3.710	2.710	3.880	54						
2002	103	23	35	273.293	-614.653	D	1.177	21.680	22.857	5.43	1.024	0.143	0.002
0.003	0.000	0.004	0.000	3.240	2.430	3.410	55						

--- Number of days with Extinction Change => 5.0 % : 55

--- Number of days with Extinction Change => 10.0 % : 24

--- Largest Extinction Change = 33.35 %

CALPOST Version 6.221 Level 080724

Run-Length VISIBILITY

VISIB BOESNCFG

(1/Mega-m)

RECEPTOR COORDINATES (km) TYPE BEXT(Model) BEXT(BKG) BEXT(Total) %CHANGE

2 271.090 -617.494 D 0.505 21.956 22.461 2.30

--- Number of recs with Extinction Change > 1.0 % : 80

--- Largest Extinction Change = 2.30 %

CALPOST Version 6.221 Level 080724

24HR VISIBILITY

VISIB BOESNCFG

(deciview)

START TIME

% of Modeled Extinction by Species

Small Large SSalt

YEAR	DAY	HR	RECEPTOR	COORDINATES (km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF	%_NO2	F(RH)	F(RH)	F(RH)	
2001	365	23	1	270.326 -617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.880	2.790	3.930															
2002	1	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.850	2.770	3.900															
2002	2	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.850	2.770	3.900															
2002	3	23	3	271.855 -617.469	D	7.959	7.957	0.002	39.93	58.98	0.23	0.32	0.03	0.46	0.03	3.850	2.770	3.900	
0.46	0.03	3.850	2.770	3.900															
2002	4	23	19	261.066 -615.046	D	10.539	7.957	2.582	48.65	49.96	0.24	0.36	0.02	0.50	0.26	3.850	2.770	3.900	
0.50	0.26	3.850	2.770	3.900															
2002	5	23	3	271.855 -617.469	D	8.527	7.957	0.570	59.57	39.77	0.17	0.18	0.01	0.27	0.03	3.850	2.770	3.900	
0.27	0.03	3.850	2.770	3.900															
2002	6	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.850	2.770	3.900															

2002	7	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2002	8	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2002	9	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2002	10	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2002	11	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2002	12	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2002	13	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2002	14	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2002	15	23	3	271.855	-617.469	D	8.906	7.957	0.948	28.94	66.66	0.48	0.61	0.16	
0.88	2.28	3.850	2.770	3.900											
2002	16	23	18	260.302	-615.069	D	8.504	7.957	0.547	59.23	39.75	0.25	0.30	0.02	
0.44	0.00	3.850	2.770	3.900											
2002	17	23	18	260.302	-615.069	D	8.302	7.957	0.345	64.37	34.83	0.20	0.24	0.01	
0.35	0.00	3.850	2.770	3.900											
2002	18	23	3	271.855	-617.469	D	8.310	7.957	0.353	68.85	30.48	0.17	0.20	0.00	
0.29	0.00	3.850	2.770	3.900											
2002	19	23	3	271.855	-617.469	D	7.966	7.957	0.009	77.01	22.39	0.15	0.18	0.00	
0.26	0.00	3.850	2.770	3.900											
2002	20	23	3	271.855	-617.469	D	7.983	7.957	0.025	69.45	29.91	0.18	0.18	0.00	
0.28	0.00	3.850	2.770	3.900											
2002	21	23	18	260.302	-615.069	D	8.942	7.957	0.984	70.86	28.44	0.17	0.20	0.02	
0.29	0.03	3.850	2.770	3.900											
2002	22	23	35	273.293	-614.653	D	9.452	7.957	1.495	67.32	31.97	0.17	0.21	0.01	
0.31	0.02	3.850	2.770	3.900											
2002	23	23	35	273.293	-614.653	D	7.960	7.957	0.003	82.49	17.11	0.14	0.10	0.00	
0.17	0.00	3.850	2.770	3.900											
2002	24	23	3	271.855	-617.469	D	7.958	7.957	0.000	81.59	18.12	0.19	0.04	0.00	
0.11	0.00	3.850	2.770	3.900											
2002	25	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2002	26	23	9	272.589	-616.522	D	8.805	7.957	0.848	66.65	31.79	0.34	0.47	0.07	
0.66	0.03	3.850	2.770	3.900											
2002	27	23	35	273.293	-614.653	D	8.985	7.957	1.028	66.86	31.81	0.32	0.40	0.02	
0.58	0.01	3.850	2.770	3.900											
2002	28	23	35	273.293	-614.653	D	7.961	7.957	0.003	85.07	14.36	0.12	0.19	0.00	
0.26	0.00	3.850	2.770	3.900											
2002	29	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2002	30	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2002	31	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2002	32	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2002	33	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2002	34	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											

2002	35	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2002	36	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2002	37	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2002	38	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2002	39	23	35	273.293	-614.653	D	8.123	7.809	0.313	55.47	43.69	0.21	0.25	0.01	0.36
0.36	0.00	3.440	2.530	3.520											
2002	40	23	35	273.293	-614.653	D	7.813	7.809	0.004	80.52	18.89	0.15	0.18	0.00	0.26
0.26	0.00	3.440	2.530	3.520											
2002	41	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2002	42	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2002	43	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2002	44	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2002	45	23	3	271.855	-617.469	D	8.661	7.809	0.852	64.49	34.58	0.22	0.28	0.02	0.40
0.40	0.00	3.440	2.530	3.520											
2002	46	23	3	271.855	-617.469	D	7.838	7.809	0.028	74.87	24.47	0.16	0.20	0.00	0.29
0.29	0.00	3.440	2.530	3.520											
2002	47	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2002	48	23	18	260.302	-615.069	D	8.997	7.809	1.187	51.38	46.18	0.44	0.49	0.08	0.73
0.73	0.70	3.440	2.530	3.520											
2002	49	23	35	273.293	-614.653	D	8.404	7.809	0.594	44.32	49.18	0.73	0.87	0.10	1.27
1.27	3.52	3.440	2.530	3.520											
2002	50	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2002	51	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2002	52	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2002	53	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2002	54	23	9	272.589	-616.522	D	7.836	7.809	0.026	63.12	35.62	0.30	0.38	0.02	0.55
0.55	0.01	3.440	2.530	3.520											
2002	55	23	35	273.293	-614.653	D	7.818	7.809	0.009	71.08	27.85	0.28	0.31	0.01	0.46
0.46	0.00	3.440	2.530	3.520											
2002	56	23	35	273.293	-614.653	D	7.809	7.809	0.000	72.37	24.84	0.00	0.61	0.02	0.76
0.76	0.00	3.440	2.530	3.520											
2002	57	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2002	58	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2002	59	23	18	260.302	-615.069	D	9.261	7.809	1.452	36.42	60.61	0.42	0.44	0.04	0.66
0.66	1.42	3.440	2.530	3.520											
2002	60	23	18	260.302	-615.069	D	8.126	7.701	0.425	63.37	35.86	0.20	0.20	0.01	0.30
0.30	0.07	3.140	2.370	3.310											
2002	61	23	9	272.589	-616.522	D	7.702	7.701	0.001	77.28	22.18	0.14	0.16	0.00	0.23
0.23	0.00	3.140	2.370	3.310											
2002	62	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310											

2002	63	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310											
2002	64	23	18	260.302	-615.069	D	7.751	7.701	0.050	70.33	28.85	0.19	0.24	0.04	
0.34	0.00	3.140	2.370	3.310											
2002	65	23	79	261.714	-611.334	D	7.719	7.701	0.018	72.36	26.74	0.22	0.27	0.01	
0.39	0.00	3.140	2.370	3.310											
2002	66	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.140	2.370	3.310											
2002	67	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.140	2.370	3.310											
2002	68	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.140	2.370	3.310											
2002	69	23	19	261.066	-615.046	D	7.952	7.701	0.251	34.09	62.90	0.45	0.52	0.13	
0.76	1.16	3.140	2.370	3.310											
2002	70	23	79	261.714	-611.334	D	7.992	7.701	0.291	71.80	27.34	0.22	0.25	0.01	
0.37	0.00	3.140	2.370	3.310											
2002	71	23	9	272.589	-616.522	D	8.060	7.701	0.359	79.96	19.26	0.20	0.23	0.00	
0.34	0.00	3.140	2.370	3.310											
2002	72	23	35	273.293	-614.653	D	7.961	7.701	0.260	80.13	19.10	0.19	0.24	0.00	
0.34	0.00	3.140	2.370	3.310											
2002	73	23	35	273.293	-614.653	D	7.720	7.701	0.018	89.77	9.47	0.19	0.24	0.00	
0.34	0.00	3.140	2.370	3.310											
2002	74	23	9	272.589	-616.522	D	7.701	7.701	0.000	76.34	22.85	0.14	0.29	0.00	
0.40	0.00	3.140	2.370	3.310											
2002	75	23	3	271.855	-617.469	D	8.420	7.701	0.719	71.07	28.15	0.18	0.24	0.02	
0.34	0.00	3.140	2.370	3.310											
2002	76	23	1	270.326	-617.519	D	8.558	7.701	0.857	73.88	25.48	0.16	0.19	0.01	
0.28	0.00	3.140	2.370	3.310											
2002	77	23	19	261.066	-615.046	D	9.924	7.701	2.223	56.34	41.83	0.29	0.40	0.04	
0.56	0.54	3.140	2.370	3.310											
2002	78	23	3	271.855	-617.469	D	8.059	7.701	0.358	74.31	25.02	0.15	0.21	0.01	
0.30	0.01	3.140	2.370	3.310											
2002	79	23	3	271.855	-617.469	D	7.706	7.701	0.005	82.85	16.76	0.12	0.10	0.00	
0.16	0.00	3.140	2.370	3.310											
2002	80	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.140	2.370	3.310											
2002	81	23	18	260.302	-615.069	D	7.702	7.701	0.001	65.19	33.67	0.41	0.22	0.04	
0.42	0.01	3.140	2.370	3.310											
2002	82	23	3	271.855	-617.469	D	8.038	7.701	0.337	61.05	37.62	0.33	0.40	0.01	
0.59	0.00	3.140	2.370	3.310											
2002	83	23	79	261.714	-611.334	D	7.737	7.701	0.036	77.69	21.48	0.19	0.26	0.00	
0.37	0.00	3.140	2.370	3.310											
2002	84	23	35	273.293	-614.653	D	7.868	7.701	0.167	77.70	21.60	0.16	0.22	0.00	
0.31	0.00	3.140	2.370	3.310											
2002	85	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.140	2.370	3.310											
2002	86	23	9	272.589	-616.522	D	8.003	7.701	0.302	70.24	28.40	0.30	0.39	0.02	
0.56	0.09	3.140	2.370	3.310											
2002	87	23	35	273.293	-614.653	D	8.041	7.701	0.340	85.99	13.26	0.18	0.23	0.00	
0.34	0.00	3.140	2.370	3.310											
2002	88	23	1	270.326	-617.519	D	7.701	7.701	0.000	118.75	0.00	0.00	0.60	0.00	
0.75	0.00	3.140	2.370	3.310											
2002	89	23	3	271.855	-617.469	D	7.822	7.701	0.121	71.96	27.37	0.16	0.20	0.00	
0.29	0.01	3.140	2.370	3.310											
2002	90	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.140	2.370	3.310											

2002	91	23	3	271.855	-617.469	D	8.198	7.738	0.460	77.38	21.76	0.22	0.25	0.01
0.37	0.00	3.240	2.430	3.410										
2002	92	23	3	271.855	-617.469	D	7.878	7.738	0.140	86.72	12.62	0.16	0.20	0.00
0.29	0.00	3.240	2.430	3.410										
2002	93	23	3	271.855	-617.469	D	7.739	7.738	0.001	93.85	5.59	0.14	0.16	0.00
0.24	0.00	3.240	2.430	3.410										
2002	94	23	18	260.302	-615.069	D	7.738	7.738	0.000	96.39	3.13	0.13	0.16	0.00
0.23	0.00	3.240	2.430	3.410										
2002	95	23	18	260.302	-615.069	D	7.747	7.738	0.009	93.94	5.53	0.13	0.16	0.00
0.23	0.00	3.240	2.430	3.410										
2002	96	23	19	261.066	-615.046	D	8.081	7.738	0.343	43.51	52.98	0.49	0.56	0.15
0.82	1.48	3.240	2.430	3.410										
2002	97	23	35	273.293	-614.653	D	7.786	7.738	0.048	65.28	32.47	0.35	0.44	0.03
0.64	0.79	3.240	2.430	3.410										
2002	98	23	36	260.273	-614.148	D	7.895	7.738	0.157	84.13	15.22	0.16	0.20	0.01
0.29	0.00	3.240	2.430	3.410										
2002	99	23	18	260.302	-615.069	D	7.810	7.738	0.072	90.46	8.94	0.15	0.18	0.00
0.27	0.00	3.240	2.430	3.410										
2002	100	23	18	260.302	-615.069	D	7.986	7.738	0.249	94.97	4.36	0.16	0.20	0.01
0.29	0.00	3.240	2.430	3.410										
2002	101	23	35	273.293	-614.653	D	8.570	7.738	0.832	92.46	6.71	0.20	0.25	0.02
0.36	0.00	3.240	2.430	3.410										
2002	102	23	9	272.589	-616.522	D	8.225	7.738	0.487	92.94	6.09	0.22	0.29	0.04
0.42	0.00	3.240	2.430	3.410										
2002	103	23	35	273.293	-614.653	D	8.267	7.738	0.529	86.99	12.17	0.21	0.25	0.02
0.37	0.00	3.240	2.430	3.410										
2002	104	23	3	271.855	-617.469	D	7.738	7.738	0.000	84.99	14.60	0.08	0.11	0.01
0.19	0.00	3.240	2.430	3.410										
2002	105	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2002	106	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2002	107	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2002	108	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2002	109	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2002	110	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2002	111	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2002	112	23	8	271.825	-616.547	D	8.743	7.738	1.005	75.36	23.22	0.28	0.39	0.05
0.55	0.15	3.240	2.430	3.410										
2002	113	23	67	271.705	-612.860	D	8.111	7.738	0.373	77.69	21.28	0.25	0.31	0.02
0.45	0.00	3.240	2.430	3.410										
2002	114	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2002	115	23	1	270.326	-617.519	D	7.738	7.738	0.000	77.00	21.97	0.10	0.32	0.01
0.44	0.00	3.240	2.430	3.410										
2002	116	23	18	260.302	-615.069	D	8.212	7.738	0.474	54.43	44.07	0.31	0.35	0.03
0.52	0.28	3.240	2.430	3.410										
2002	117	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2002	118	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										

2002	119	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410											
2002	120	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410											
2002	121	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830											
2002	122	23	3	271.855	-617.469	D	7.892	7.892	0.001	60.59	39.02	0.18	0.05	0.01	
0.12	0.03	3.660	2.680	3.830											
2002	123	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830											
2002	124	23	3	271.855	-617.469	D	8.582	7.892	0.691	89.54	9.73	0.17	0.22	0.01	
0.32	0.00	3.660	2.680	3.830											
2002	125	23	35	273.293	-614.653	D	8.205	7.892	0.313	80.08	19.14	0.20	0.23	0.01	
0.34	0.00	3.660	2.680	3.830											
2002	126	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830											
2002	127	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830											
2002	128	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830											
2002	129	23	35	273.293	-614.653	D	7.957	7.892	0.065	83.11	16.16	0.16	0.24	0.00	
0.33	0.00	3.660	2.680	3.830											
2002	130	23	35	273.293	-614.653	D	8.509	7.892	0.617	66.41	32.37	0.24	0.31	0.03	
0.45	0.20	3.660	2.680	3.830											
2002	131	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830											
2002	132	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830											
2002	133	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830											
2002	134	23	18	260.302	-615.069	D	8.316	7.892	0.425	80.05	18.00	0.44	0.53	0.09	
0.77	0.13	3.660	2.680	3.830											
2002	135	23	18	260.302	-615.069	D	8.015	7.892	0.123	85.46	12.34	0.52	0.66	0.02	
0.95	0.04	3.660	2.680	3.830											
2002	136	23	67	271.705	-612.860	D	7.894	7.892	0.002	87.32	11.95	0.17	0.23	0.00	
0.32	0.00	3.660	2.680	3.830											
2002	137	23	35	273.293	-614.653	D	7.981	7.892	0.090	87.17	12.14	0.17	0.22	0.00	
0.31	0.00	3.660	2.680	3.830											
2002	138	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830											
2002	139	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830											
2002	140	23	18	260.302	-615.069	D	7.892	7.892	0.000	92.05	6.71	0.28	0.38	0.06	
0.55	0.00	3.660	2.680	3.830											
2002	141	23	18	260.302	-615.069	D	8.091	7.892	0.200	67.00	30.29	0.53	0.64	0.10	
0.93	0.51	3.660	2.680	3.830											
2002	142	23	18	260.302	-615.069	D	7.976	7.892	0.084	88.88	8.69	0.58	0.72	0.03	
1.04	0.06	3.660	2.680	3.830											
2002	143	23	35	273.293	-614.653	D	7.892	7.892	0.000	94.68	2.78	0.20	1.08	0.05	
1.36	0.00	3.660	2.680	3.830											
2002	144	23	35	273.293	-614.653	D	7.904	7.892	0.012	93.99	4.30	0.36	0.56	0.02	
0.77	0.00	3.660	2.680	3.830											
2002	145	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830											
2002	146	23	9	272.589	-616.522	D	7.892	7.892	0.000	81.99	16.92	0.15	0.31	0.05	
0.44	0.00	3.660	2.680	3.830											

2002	147	23	35	273.293	-614.653	D	8.149	7.892	0.257	72.52	26.57	0.21	0.28	0.02
0.40	0.00	3.660	2.680	3.830										
2002	148	23	67	271.705	-612.860	D	7.897	7.892	0.006	75.10	23.79	0.24	0.33	0.06
0.47	0.01	3.660	2.680	3.830										
2002	149	23	67	271.705	-612.860	D	8.577	7.892	0.686	80.25	18.94	0.20	0.24	0.03
0.34	0.00	3.660	2.680	3.830										
2002	150	23	3	271.855	-617.469	D	7.970	7.892	0.079	93.25	6.13	0.15	0.18	0.01
0.27	0.00	3.660	2.680	3.830										
2002	151	23	79	261.714	-611.334	D	7.893	7.892	0.001	98.42	1.32	0.13	0.04	0.01
0.10	0.00	3.660	2.680	3.830										
2002	152	23	35	273.293	-614.653	D	8.067	7.910	0.157	90.02	8.94	0.23	0.32	0.04
0.45	0.00	3.710	2.710	3.880										
2002	153	23	79	261.714	-611.334	D	7.910	7.910	0.000	98.58	0.62	0.25	0.29	0.01
0.37	0.00	3.710	2.710	3.880										
2002	154	23	35	273.293	-614.653	D	7.917	7.910	0.007	97.46	1.19	0.32	0.41	0.02
0.59	0.00	3.710	2.710	3.880										
2002	155	23	36	260.273	-614.148	D	7.916	7.910	0.006	96.80	2.86	0.10	0.09	0.00
0.15	0.00	3.710	2.710	3.880										
2002	156	23	18	260.302	-615.069	D	7.918	7.910	0.008	94.38	5.32	0.09	0.08	0.00
0.13	0.00	3.710	2.710	3.880										
2002	157	23	18	260.302	-615.069	D	7.917	7.910	0.007	98.39	1.30	0.10	0.08	0.00
0.13	0.00	3.710	2.710	3.880										
2002	158	23	18	260.302	-615.069	D	7.925	7.910	0.015	98.38	1.22	0.11	0.11	0.01
0.17	0.00	3.710	2.710	3.880										
2002	159	23	36	260.273	-614.148	D	8.048	7.910	0.139	78.13	20.18	0.38	0.47	0.08
0.67	0.10	3.710	2.710	3.880										
2002	160	23	35	273.293	-614.653	D	8.820	7.910	0.910	79.26	18.84	0.35	0.45	0.06
0.64	0.42	3.710	2.710	3.880										
2002	161	23	35	273.293	-614.653	D	8.210	7.910	0.301	69.99	28.91	0.25	0.34	0.02
0.48	0.02	3.710	2.710	3.880										
2002	162	23	35	273.293	-614.653	D	8.144	7.910	0.234	94.80	3.69	0.35	0.47	0.02
0.67	0.00	3.710	2.710	3.880										
2002	163	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2002	164	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2002	165	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2002	166	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2002	167	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2002	168	23	1	270.326	-617.519	D	7.910	7.910	0.000	97.96	1.61	0.05	0.14	0.02
0.21	0.00	3.710	2.710	3.880										
2002	169	23	18	260.302	-615.069	D	8.163	7.910	0.253	94.66	3.25	0.51	0.52	0.10
0.78	0.19	3.710	2.710	3.880										
2002	170	23	52	272.499	-613.757	D	8.330	7.910	0.421	78.45	19.53	0.40	0.47	0.13
0.68	0.34	3.710	2.710	3.880										
2002	171	23	79	261.714	-611.334	D	8.029	7.910	0.120	94.35	4.70	0.24	0.27	0.04
0.40	0.00	3.710	2.710	3.880										
2002	172	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2002	173	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2002	174	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										

2002	175	23	3	271.855	-617.469	D	7.913	7.910	0.004	94.30	4.50	0.26	0.34	0.11
0.48	0.00	3.710	2.710	3.880										
2002	176	23	3	271.855	-617.469	D	9.233	7.910	1.323	85.58	13.73	0.17	0.20	0.03
0.29	0.00	3.710	2.710	3.880										
2002	177	23	35	273.293	-614.653	D	9.206	7.910	1.297	89.88	9.54	0.14	0.17	0.02
0.25	0.00	3.710	2.710	3.880										
2002	178	23	3	271.855	-617.469	D	8.789	7.910	0.880	90.63	8.69	0.16	0.21	0.02
0.29	0.00	3.710	2.710	3.880										
2002	179	23	78	269.383	-612.012	D	8.666	7.910	0.757	94.42	4.96	0.15	0.19	0.01
0.27	0.00	3.710	2.710	3.880										
2002	180	23	79	261.714	-611.334	D	7.919	7.910	0.009	95.97	3.63	0.11	0.11	0.01
0.17	0.00	3.710	2.710	3.880										
2002	181	23	35	273.293	-614.653	D	8.440	7.910	0.530	95.16	3.89	0.24	0.28	0.03
0.41	0.00	3.710	2.710	3.880										
2002	182	23	79	261.714	-611.334	D	8.368	7.830	0.537	97.14	2.17	0.17	0.20	0.02
0.29	0.00	3.490	2.590	3.690										
2002	183	23	35	273.293	-614.653	D	8.780	7.830	0.950	83.92	15.44	0.15	0.19	0.03
0.27	0.00	3.490	2.590	3.690										
2002	184	23	9	272.589	-616.522	D	10.425	7.830	2.595	88.34	11.07	0.14	0.17	0.03
0.25	0.00	3.490	2.590	3.690										
2002	185	23	79	261.714	-611.334	D	8.677	7.830	0.846	96.73	2.65	0.15	0.18	0.02
0.26	0.00	3.490	2.590	3.690										
2002	186	23	18	260.302	-615.069	D	7.881	7.830	0.050	98.77	0.58	0.16	0.19	0.02
0.28	0.00	3.490	2.590	3.690										
2002	187	23	18	260.302	-615.069	D	7.833	7.830	0.003	97.93	1.50	0.14	0.17	0.02
0.25	0.00	3.490	2.590	3.690										
2002	188	23	36	260.273	-614.148	D	7.835	7.830	0.005	98.71	0.68	0.13	0.19	0.03
0.26	0.00	3.490	2.590	3.690										
2002	189	23	79	261.714	-611.334	D	7.845	7.830	0.014	99.00	0.38	0.14	0.19	0.03
0.27	0.00	3.490	2.590	3.690										
2002	190	23	18	260.302	-615.069	D	7.902	7.830	0.072	98.58	0.67	0.18	0.22	0.04
0.32	0.00	3.490	2.590	3.690										
2002	191	23	18	260.302	-615.069	D	7.970	7.830	0.139	98.82	0.59	0.15	0.17	0.02
0.25	0.00	3.490	2.590	3.690										
2002	192	23	79	261.714	-611.334	D	8.056	7.830	0.226	98.15	1.37	0.12	0.14	0.01
0.21	0.00	3.490	2.590	3.690										
2002	193	23	35	273.293	-614.653	D	8.057	7.830	0.226	93.36	6.21	0.11	0.13	0.01
0.18	0.00	3.490	2.590	3.690										
2002	194	23	35	273.293	-614.653	D	7.979	7.830	0.149	96.71	2.87	0.10	0.13	0.01
0.18	0.00	3.490	2.590	3.690										
2002	195	23	9	272.589	-616.522	D	7.939	7.830	0.109	95.34	4.26	0.10	0.12	0.01
0.18	0.00	3.490	2.590	3.690										
2002	196	23	71	264.035	-612.184	D	7.891	7.830	0.060	96.86	2.75	0.10	0.12	0.01
0.17	0.00	3.490	2.590	3.690										
2002	197	23	45	267.150	-613.930	D	7.938	7.830	0.108	58.06	38.98	0.28	0.74	0.19
0.94	0.82	3.490	2.590	3.690										
2002	198	23	35	273.293	-614.653	D	7.873	7.830	0.042	87.19	11.97	0.23	0.24	0.02
0.36	0.00	3.490	2.590	3.690										
2002	199	23	18	260.302	-615.069	D	7.831	7.830	0.000	97.78	1.78	0.21	0.09	0.00
0.14	0.00	3.490	2.590	3.690										
2002	200	23	10	265.681	-615.822	D	7.831	7.830	0.000	97.95	1.08	0.00	0.06	0.00
0.11	0.00	3.490	2.590	3.690										
2002	201	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2002	202	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										

2002	203	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690											
2002	204	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690											
2002	205	23	1	270.326	-617.519	D	7.830	7.830	0.000	101.25	0.00	0.00	0.16	0.01	
0.23	0.00	3.490	2.590	3.690											
2002	206	23	3	271.855	-617.469	D	7.858	7.830	0.027	96.44	3.10	0.11	0.13	0.02	
0.20	0.00	3.490	2.590	3.690											
2002	207	23	35	273.293	-614.653	D	7.848	7.830	0.018	95.59	4.04	0.10	0.10	0.01	
0.16	0.00	3.490	2.590	3.690											
2002	208	23	33	271.765	-614.703	D	7.831	7.830	0.000	98.51	0.41	0.00	0.03	0.01	
0.08	0.00	3.490	2.590	3.690											
2002	209	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.490	2.590	3.690											
2002	210	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.490	2.590	3.690											
2002	211	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.490	2.590	3.690											
2002	212	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.490	2.590	3.690											
2002	213	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.510	2.600	3.680											
2002	214	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.510	2.600	3.680											
2002	215	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.510	2.600	3.680											
2002	216	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.510	2.600	3.680											
2002	217	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.510	2.600	3.680											
2002	218	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.510	2.600	3.680											
2002	219	23	1	270.326	-617.519	D	7.837	7.837	0.000	98.04	0.98	0.00	0.21	0.01	
0.27	0.00	3.510	2.600	3.680											
2002	220	23	3	271.855	-617.469	D	7.838	7.837	0.001	99.19	0.48	0.11	0.07	0.01	
0.12	0.00	3.510	2.600	3.680											
2002	221	23	36	260.273	-614.148	D	8.461	7.837	0.623	89.74	8.51	0.39	0.49	0.07	
0.70	0.10	3.510	2.600	3.680											
2002	222	23	18	260.302	-615.069	D	8.024	7.837	0.187	92.01	5.54	0.56	0.57	0.18	
0.86	0.29	3.510	2.600	3.680											
2002	223	23	35	273.293	-614.653	D	8.215	7.837	0.377	91.16	7.16	0.38	0.50	0.08	
0.71	0.03	3.510	2.600	3.680											
2002	224	23	35	273.293	-614.653	D	8.100	7.837	0.263	96.46	2.17	0.31	0.43	0.02	
0.61	0.00	3.510	2.600	3.680											
2002	225	23	18	260.302	-615.069	D	7.999	7.837	0.162	93.92	5.69	0.10	0.12	0.01	
0.17	0.00	3.510	2.600	3.680											
2002	226	23	79	261.714	-611.334	D	8.021	7.837	0.184	95.60	4.01	0.10	0.12	0.00	
0.17	0.00	3.510	2.600	3.680											
2002	227	23	9	272.589	-616.522	D	8.051	7.837	0.214	72.61	25.58	0.33	0.38	0.12	
0.56	0.41	3.510	2.600	3.680											
2002	228	23	35	273.293	-614.653	D	7.853	7.837	0.016	85.69	13.29	0.22	0.33	0.03	
0.45	0.00	3.510	2.600	3.680											
2002	229	23	36	260.273	-614.148	D	7.837	7.837	0.000	97.80	1.56	0.10	0.14	0.00	
0.20	0.00	3.510	2.600	3.680											
2002	230	23	1	270.326	-617.519	D	7.837	7.837	0.000	97.70	0.16	0.00	0.35	0.00	
0.44	0.00	3.510	2.600	3.680											

2002	231	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680											
2002	232	23	35	273.293	-614.653	D	8.966	7.837	1.129	95.61	3.26	0.26	0.31	0.08	
0.45	0.02	3.510	2.600	3.680											
2002	233	23	1	270.326	-617.519	D	9.463	7.837	1.626	97.67	1.56	0.18	0.22	0.04	
0.32	0.00	3.510	2.600	3.680											
2002	234	23	35	273.293	-614.653	D	8.489	7.837	0.652	98.71	0.54	0.18	0.22	0.02	
0.32	0.00	3.510	2.600	3.680											
2002	235	23	35	273.293	-614.653	D	7.850	7.837	0.013	99.19	0.35	0.13	0.13	0.00	
0.20	0.00	3.510	2.600	3.680											
2002	236	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.510	2.600	3.680											
2002	237	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.510	2.600	3.680											
2002	238	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.510	2.600	3.680											
2002	239	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.510	2.600	3.680											
2002	240	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.510	2.600	3.680											
2002	241	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.510	2.600	3.680											
2002	242	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.510	2.600	3.680											
2002	243	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.510	2.600	3.680											
2002	244	23	79	261.714	-611.334	D	7.915	7.915	0.000	98.70	0.58	0.07	0.26	0.01	
0.33	0.00	3.730	2.710	3.820											
2002	245	23	36	260.273	-614.148	D	7.916	7.915	0.001	98.05	1.29	0.17	0.17	0.01	
0.26	0.00	3.730	2.710	3.820											
2002	246	23	36	260.273	-614.148	D	7.915	7.915	0.000	99.30	0.43	0.00	0.03	0.01	
0.09	0.00	3.730	2.710	3.820											
2002	247	23	36	260.273	-614.148	D	7.916	7.915	0.001	99.17	0.39	0.12	0.13	0.02	
0.19	0.00	3.730	2.710	3.820											
2002	248	23	79	261.714	-611.334	D	7.916	7.915	0.001	98.44	0.96	0.15	0.19	0.01	
0.27	0.00	3.730	2.710	3.820											
2002	249	23	36	260.273	-614.148	D	7.915	7.915	0.000	97.92	0.62	0.00	0.25	0.01	
0.33	0.00	3.730	2.710	3.820											
2002	250	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.730	2.710	3.820											
2002	251	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.730	2.710	3.820											
2002	252	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.730	2.710	3.820											
2002	253	23	79	261.714	-611.334	D	7.915	7.915	0.000	97.68	1.21	0.00	0.12	0.01	
0.18	0.00	3.730	2.710	3.820											
2002	254	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.730	2.710	3.820											
2002	255	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.730	2.710	3.820											
2002	256	23	18	260.302	-615.069	D	7.981	7.915	0.066	98.77	0.57	0.16	0.19	0.03	
0.27	0.00	3.730	2.710	3.820											
2002	257	23	18	260.302	-615.069	D	8.249	7.915	0.334	95.22	4.24	0.14	0.16	0.01	
0.23	0.00	3.730	2.710	3.820											
2002	258	23	1	270.326	-617.519	D	8.127	7.915	0.212	97.29	2.25	0.12	0.14	0.01	
0.20	0.00	3.730	2.710	3.820											

2002	259	23	18	260.302	-615.069	D	8.207	7.915	0.292	95.88	3.69	0.11	0.13	0.01
0.19	0.00	3.730	2.710	3.820										
2002	260	23	79	261.714	-611.334	D	8.095	7.915	0.180	94.24	5.35	0.10	0.13	0.00
0.18	0.00	3.730	2.710	3.820										
2002	261	23	68	261.743	-612.256	D	7.915	7.915	0.000	98.25	1.28	0.09	0.12	0.00
0.18	0.00	3.730	2.710	3.820										
2002	262	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2002	263	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2002	264	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2002	265	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2002	266	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2002	267	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2002	268	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2002	269	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2002	270	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2002	271	23	18	260.302	-615.069	D	7.947	7.915	0.032	92.16	6.66	0.27	0.35	0.07
0.49	0.00	3.730	2.710	3.820										
2002	272	23	18	260.302	-615.069	D	8.345	7.915	0.430	96.10	2.85	0.25	0.30	0.06
0.44	0.00	3.730	2.710	3.820										
2002	273	23	79	261.714	-611.334	D	8.494	7.915	0.579	93.59	5.21	0.29	0.36	0.02
0.52	0.00	3.730	2.710	3.820										
2002	274	23	35	273.293	-614.653	D	8.670	7.910	0.760	77.86	20.03	0.39	0.53	0.08
0.75	0.34	3.720	2.690	3.760										
2002	275	23	36	260.273	-614.148	D	7.968	7.910	0.057	97.30	1.23	0.39	0.43	0.03
0.63	0.00	3.720	2.690	3.760										
2002	276	23	3	271.855	-617.469	D	7.936	7.910	0.026	73.31	25.60	0.26	0.33	0.03
0.47	0.00	3.720	2.690	3.760										
2002	277	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760										
2002	278	23	3	271.855	-617.469	D	7.962	7.910	0.052	89.67	9.20	0.27	0.32	0.07
0.47	0.00	3.720	2.690	3.760										
2002	279	23	3	271.855	-617.469	D	7.911	7.910	0.001	88.15	11.14	0.20	0.21	0.02
0.31	0.00	3.720	2.690	3.760										
2002	280	23	18	260.302	-615.069	D	7.956	7.910	0.046	92.45	6.97	0.14	0.17	0.01
0.25	0.00	3.720	2.690	3.760										
2002	281	23	18	260.302	-615.069	D	8.839	7.910	0.929	76.35	22.96	0.15	0.19	0.02
0.27	0.07	3.720	2.690	3.760										
2002	282	23	1	270.326	-617.519	D	9.209	7.910	1.299	73.71	25.54	0.18	0.22	0.03
0.32	0.02	3.720	2.690	3.760										
2002	283	23	18	260.302	-615.069	D	9.080	7.910	1.170	82.00	17.45	0.13	0.17	0.01
0.24	0.00	3.720	2.690	3.760										
2002	284	23	36	260.273	-614.148	D	8.740	7.910	0.830	88.52	11.01	0.12	0.14	0.01
0.20	0.00	3.720	2.690	3.760										
2002	285	23	3	271.855	-617.469	D	8.544	7.910	0.633	91.54	8.02	0.11	0.13	0.00
0.19	0.00	3.720	2.690	3.760										
2002	286	23	18	260.302	-615.069	D	7.930	7.910	0.020	94.48	5.06	0.11	0.15	0.00
0.21	0.00	3.720	2.690	3.760										

2002	287	23	18	260.302	-615.069	D	7.911	7.910	0.001	96.71	2.77	0.12	0.16	0.00
0.22	0.00	3.720	2.690	3.760										
2002	288	23	1	270.326	-617.519	D	7.910	7.910	0.000	137.50	3.12	0.00	0.41	0.00
0.52	0.00	3.720	2.690	3.760										
2002	289	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760										
2002	290	23	9	272.589	-616.522	D	8.278	7.910	0.368	89.28	9.56	0.27	0.34	0.05
0.49	0.01	3.720	2.690	3.760										
2002	291	23	35	273.293	-614.653	D	9.643	7.910	1.733	50.13	47.87	0.29	0.48	0.03
0.65	0.56	3.720	2.690	3.760										
2002	292	23	78	269.383	-612.012	D	10.672	7.910	2.762	63.72	35.54	0.17	0.22	
0.01	0.32	0.02	3.720	2.690	3.760									
2002	293	23	36	260.273	-614.148	D	8.992	7.910	1.082	72.92	26.49	0.15	0.18	0.00
0.26	0.00	3.720	2.690	3.760										
2002	294	23	18	260.302	-615.069	D	8.663	7.910	0.753	78.29	21.21	0.13	0.15	0.01
0.22	0.00	3.720	2.690	3.760										
2002	295	23	18	260.302	-615.069	D	8.142	7.910	0.232	85.38	14.12	0.12	0.15	0.00
0.22	0.00	3.720	2.690	3.760										
2002	296	23	3	271.855	-617.469	D	8.057	7.910	0.147	94.47	5.06	0.12	0.14	0.00
0.21	0.00	3.720	2.690	3.760										
2002	297	23	3	271.855	-617.469	D	9.568	7.910	1.658	72.44	27.01	0.14	0.16	0.02
0.23	0.00	3.720	2.690	3.760										
2002	298	23	3	271.855	-617.469	D	8.719	7.910	0.808	79.94	19.55	0.12	0.16	0.01
0.22	0.00	3.720	2.690	3.760										
2002	299	23	19	261.066	-615.046	D	8.198	7.910	0.287	83.93	15.65	0.10	0.13	0.00
0.18	0.00	3.720	2.690	3.760										
2002	300	23	18	260.302	-615.069	D	8.485	7.910	0.575	82.56	17.04	0.10	0.12	0.00
0.17	0.00	3.720	2.690	3.760										
2002	301	23	16	270.266	-615.675	D	9.892	7.910	1.981	75.91	23.49	0.13	0.19	0.02
0.26	0.00	3.720	2.690	3.760										
2002	302	23	1	270.326	-617.519	D	8.256	7.910	0.345	87.96	11.65	0.10	0.12	0.00
0.17	0.00	3.720	2.690	3.760										
2002	303	23	18	260.302	-615.069	D	8.001	7.910	0.091	90.34	9.28	0.10	0.11	0.00
0.17	0.00	3.720	2.690	3.760										
2002	304	23	36	260.273	-614.148	D	7.958	7.910	0.048	89.06	10.55	0.10	0.12	0.00
0.17	0.00	3.720	2.690	3.760										
2002	305	23	36	260.273	-614.148	D	7.966	7.897	0.069	88.16	11.44	0.10	0.12	0.00
0.18	0.00	3.680	2.670	3.770										
2002	306	23	45	267.150	-613.930	D	8.523	7.897	0.626	53.82	45.08	0.21	0.09	0.06
0.19	0.56	3.680	2.670	3.770										
2002	307	23	19	261.066	-615.046	D	8.111	7.897	0.215	79.35	20.25	0.12	0.11	0.00
0.17	0.00	3.680	2.670	3.770										
2002	308	23	1	270.326	-617.519	D	8.038	7.897	0.141	87.13	12.46	0.10	0.13	0.00
0.18	0.00	3.680	2.670	3.770										
2002	309	23	1	270.326	-617.519	D	7.928	7.897	0.032	95.27	4.30	0.11	0.13	0.00
0.19	0.00	3.680	2.670	3.770										
2002	310	23	4	268.767	-616.646	D	7.897	7.897	0.000	93.75	4.48	0.00	0.13	0.01
0.19	0.00	3.680	2.670	3.770										
2002	311	23	3	271.855	-617.469	D	8.103	7.897	0.206	65.25	33.67	0.26	0.32	0.03
0.46	0.01	3.680	2.670	3.770										
2002	312	23	35	273.293	-614.653	D	8.030	7.897	0.133	81.61	17.64	0.18	0.23	0.00
0.33	0.00	3.680	2.670	3.770										
2002	313	23	67	271.705	-612.860	D	7.897	7.897	0.000	93.58	4.43	0.00	0.34	0.00
0.42	0.00	3.680	2.670	3.770										
2002	314	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770										

2002	315	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770											
2002	316	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770											
2002	317	23	9	272.589	-616.522	D	8.051	7.897	0.154	56.17	42.68	0.28	0.34	0.03	0.49
0.01	3.680	2.670	3.770												
2002	318	23	35	273.293	-614.653	D	8.063	7.897	0.167	59.79	39.20	0.25	0.30	0.01	0.44
0.00	3.680	2.670	3.770												
2002	319	23	9	272.589	-616.522	D	7.897	7.897	0.000	74.34	25.02	0.14	0.22	0.00	0.31
0.00	3.680	2.670	3.770												
2002	320	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770											
2002	321	23	9	272.589	-616.522	D	7.897	7.897	0.000	83.56	16.15	0.46	0.25	0.01	0.43
0.00	3.680	2.670	3.770												
2002	322	23	3	271.855	-617.469	D	7.897	7.897	0.000	76.99	21.66	0.38	0.41	0.01	0.61
0.00	3.680	2.670	3.770												
2002	323	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770											
2002	324	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770											
2002	325	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770											
2002	326	23	3	271.855	-617.469	D	7.911	7.897	0.014	73.75	24.04	0.56	0.64	0.04	0.94
0.02	3.680	2.670	3.770												
2002	327	23	3	271.855	-617.469	D	8.340	7.897	0.443	65.81	32.85	0.33	0.40	0.02	0.58
0.01	3.680	2.670	3.770												
2002	328	23	3	271.855	-617.469	D	8.222	7.897	0.325	74.11	25.09	0.20	0.24	0.01	0.35
0.00	3.680	2.670	3.770												
2002	329	23	9	272.589	-616.522	D	8.038	7.897	0.141	70.92	28.36	0.17	0.22	0.00	0.32
0.00	3.680	2.670	3.770												
2002	330	23	3	271.855	-617.469	D	7.898	7.897	0.001	79.29	20.11	0.14	0.22	0.00	0.30
0.00	3.680	2.670	3.770												
2002	331	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770											
2002	332	23	18	260.302	-615.069	D	7.897	7.897	0.000	94.40	6.12	0.00	0.16	0.00	0.23
0.00	3.680	2.670	3.770												
2002	333	23	18	260.302	-615.069	D	7.897	7.897	0.001	89.18	10.27	0.11	0.20	0.00	0.28
0.00	3.680	2.670	3.770												
2002	334	23	18	260.302	-615.069	D	7.897	7.897	0.000	89.81	9.81	0.25	0.14	0.00	0.22
0.00	3.680	2.670	3.770												
2002	335	23	3	271.855	-617.469	D	8.025	7.968	0.057	54.56	44.26	0.31	0.34	0.01	0.51
0.01	3.880	2.790	3.930												
2002	336	23	3	271.855	-617.469	D	7.992	7.968	0.024	66.04	32.81	0.29	0.35	0.01	0.50
0.00	3.880	2.790	3.930												
2002	337	23	18	260.302	-615.069	D	8.205	7.968	0.237	57.95	41.33	0.18	0.22	0.01	0.32
0.00	3.880	2.790	3.930												
2002	338	23	2	271.090	-617.494	D	7.969	7.968	0.001	69.39	29.91	0.14	0.22	0.00	0.31
0.00	3.880	2.790	3.930												
2002	339	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	3.880	2.790	3.930												
2002	340	23	1	270.326	-617.519	D	7.968	7.968	0.000	56.72	41.27	0.23	0.85	0.02	1.07
0.02	3.880	2.790	3.930												
2002	341	23	9	272.589	-616.522	D	10.629	7.968	2.661	52.05	47.02	0.22	0.28	0.02	0.40
0.01	3.880	2.790	3.930												
2002	342	23	18	260.302	-615.069	D	9.018	7.968	1.050	64.02	35.19	0.19	0.24	0.01	0.35
0.00	3.880	2.790	3.930												

2002	343	23	36	260.273	-614.148	D	8.045	7.968	0.076	71.99	27.51	0.13	0.15	0.01
0.22	0.00	3.880	2.790	3.930										
2002	344	23	36	260.273	-614.148	D	8.200	7.968	0.232	76.26	23.30	0.11	0.13	0.01
0.19	0.00	3.880	2.790	3.930										
2002	345	23	3	271.855	-617.469	D	10.846	7.968	2.878	60.35	38.91	0.18	0.21	0.03
0.30	0.03	3.880	2.790	3.930										
2002	346	23	18	260.302	-615.069	D	9.171	7.968	1.202	64.39	35.01	0.15	0.18	0.01
0.26	0.00	3.880	2.790	3.930										
2002	347	23	3	271.855	-617.469	D	7.992	7.968	0.024	81.24	18.33	0.11	0.13	0.00
0.19	0.00	3.880	2.790	3.930										
2002	348	23	1	270.326	-617.519	D	7.968	7.968	0.000	95.42	3.12	0.00	0.31	0.00
0.38	0.00	3.880	2.790	3.930										
2002	349	23	9	272.589	-616.522	D	8.042	7.968	0.074	68.77	30.62	0.16	0.18	0.01
0.27	0.00	3.880	2.790	3.930										
2002	350	23	35	273.293	-614.653	D	7.973	7.968	0.005	78.49	20.69	0.17	0.27	0.00
0.37	0.00	3.880	2.790	3.930										
2002	351	23	35	273.293	-614.653	D	7.973	7.968	0.005	79.99	19.12	0.21	0.28	0.00
0.39	0.00	3.880	2.790	3.930										
2002	352	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930										
2002	353	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930										
2002	354	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930										
2002	355	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930										
2002	356	23	18	260.302	-615.069	D	8.028	7.968	0.060	65.13	34.21	0.18	0.19	0.01
0.29	0.00	3.880	2.790	3.930										
2002	357	23	18	260.302	-615.069	D	7.984	7.968	0.016	66.76	32.70	0.17	0.14	0.00
0.22	0.00	3.880	2.790	3.930										
2002	358	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930										
2002	359	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930										
2002	360	23	3	271.855	-617.469	D	8.172	7.968	0.204	48.79	50.48	0.21	0.20	0.01
0.31	0.01	3.880	2.790	3.930										
2002	361	23	35	273.293	-614.653	D	7.969	7.968	0.001	61.76	37.73	0.22	0.10	0.01
0.19	0.00	3.880	2.790	3.930										
2002	362	23	18	260.302	-615.069	D	7.977	7.968	0.008	83.91	15.49	0.13	0.19	0.01
0.27	0.00	3.880	2.790	3.930										
2002	363	23	79	261.714	-611.334	D	7.980	7.968	0.012	75.86	23.53	0.15	0.19	0.00
0.27	0.00	3.880	2.790	3.930										
2002	364	23	35	273.293	-614.653	D	8.023	7.968	0.055	73.18	26.10	0.17	0.22	0.00
0.31	0.02	3.880	2.790	3.930										

--- Ranked Daily Visibility Change ---

START TIME	% of Modeled Extinction by Species																						
Small	Large	SSalt	YEAR	DAY	HR	RECEPTOR	COORDINATES (km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF	%_NO2	F(RH)	F(RH)	F(RH)		
			2002	345	23	3	271.855	-617.469	D	10.846	7.968	2.878	60.35	38.91	0.18	0.21	0.03	0.30	0.03	3.880	2.790	3.930	
			2002	292	23	78	269.383	-612.012	D	10.672	7.910	2.762	63.72	35.54	0.17	0.22	0.01	0.32	0.02	3.720	2.690	3.760	
			2002	341	23	9	272.589	-616.522	D	10.629	7.968	2.661	52.05	47.02	0.22	0.28	0.02						

--- Number of days with Delta-Deciview => 0.50: 55
--- Number of days with Delta-Deciview => 1.00: 23
--- Largest Delta-Deciview = 2.878

CALPOST Version 6.221 Level 080724

Run-Length VISIBILITY

VISIB BOESNCFG

(deciview)

RECEPTOR COORDINATES (km) TYPE DV(Total) DV(BKG) DELTA DV

3 271.855 -617.469 D 8.092 7.864 0.228

--- Number of recs with Delta-Deciview > 0.10: 80
--- Largest Delta-Deciview = 0.228